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FORMULA INDEX.

THE following index of organic compounds of known empirical formula is arranged according to Richter's system (see *Lexikon der Kohlenstoff-Verbindungen*).

The elements are given in the order C, H, O, N, Cl, Br, I, F, S, P, and the remainder alphabetically.

The compounds are arranged—

Firstly, in groups according to the number of carbon atoms (thus C_1 group, C_2 group, etc.).

Secondly, according to the number of other elements besides carbon contained in the molecule (thus 5 IV indicates that the molecule contains five carbon atoms and four other elements).

Thirdly, according to the nature of the elements present in the molecule (given in the above order).

Fourthly, according to the number of atoms of each single element (except carbon) present in the molecule.

Salts are placed with the compounds from which they are derived. The chlorides, bromides, iodides, and cyanides of quaternary ammonium bases, however, are registered as group-substances.

C_1 Group.

CH_4 Methane, velocity of ignition in mixtures of air and (COWARD and BRINSLEY), T., 1859; P., 176; (PARKER and RHEAD), T., 2150; P., 220; (BURGESS and WHEELER), T., 2591; P., 245; (WHEELER), T., 2606; P., 246; inflammability of mixtures of oxygen, nitrogen and (PARKER), T., 1002; P., 75; (BURGESS and WHEELER), T., 2596; P., 245.

CO Carbon monoxide, liquid, capillary constants for (CROMMELIN), P., 248; ignition of, in air (COWARD and BRINSLEY), T., 1859; P., 176; estimation of (GRAHAM and WINMILL), T., 1996; P., 160.

CO_2 Carbon dioxide, evolution of, from solutions of gelatin and starch (FINDLAY and KING), T., 1297; P., 114.

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CHN Hydrocyanic acid, action of, on aldehydes and ketones (JONES), T., 1560; P., 118.

CH_2O_2 Formic acid, preparation of (CHATTAWAY), T., 151; mutual solubility of benzene and (EWINS), T., 350; P., 3.

CH_2N_2 Cyanamide, polymerisation of (MORRELL and BURGEN), T., 576.

CH_4O Methyl alcohol, thermal decomposition of (BONE and DAVIES), T., 1691; P., 178; barium compound, unstable compounds of cholesterol and (NEWBERY), T., 380; P., 5.

CO_8N_4 Tetranitromethane, colour reactions of (HARPER and MACBETH), P., 263.

1 III

CHON Cyanic acid, ammonium salt, transformation of, into carbamide (Ross), T., 690; P., 56.

CH_3ON Formamide, viscosity of binary liquid mixtures containing (MERRY and TURNER), T., 748; P., 60; viscosity of mixtures of alcohols and (ENGLISH and TURNER), T., 1656; P., 187.

CH_4ON_2 Carbamide, decomposition of (BURROWS and FAWSITT), T., 609; transformation of ammonium cyanate into, in absolute alcohol (Ross), T., 690; P., 56; condensation of chloral hydrate and (COPPIN and TITHERLEY), T., 32.

CH_4N_2S Thiocarbamide, action of chloroacetic acid on, and on its alkyl derivatives (RÂY and FERNANDES), T., 2159; P., 181.

1 IV

CH_7O_4NS Ammonium methyl sulphate, isomeric transformation of, and of its substituted derivatives (WERNER), T., 2762; P., 260.

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CH_2O_3ClIS Chloroiodomethanesulphonic acid, and its salts and their resolution (POPE and READ), T., 811; P., 75.

C_2 Group.

$C_2H_2O_4$ Oxalic acid, interaction of glycerol and (CHATTAWAY), T., 151.

$C_2H_4O_2$ Acetic acid, and its sodium salt, hydrogen potentials of mixtures of (WALPOLE), T., 2501, 2521; P., 237, 238; equilibrium in the system: ethyl alcohol, ethyl acetate, water and (FLETCHER and JONES), T., 1542; P., 118.

Paraformaldehyde, action of sulphuric acid on (DUNLOP), T., 1155; P., 108.

C_2H_6O Ethyl alcohol, osmotic pressure of solutions of (PRICE), P., 269; equilibrium in the system: acetic acid, ethyl acetate, water and (FLETCHER and JONES), T., 1542; P., 118; equilibrium of *m*-xylene, water and (HOLT and BELL), T., 633.

2 III

$C_2H_3O_2Cl$ Chloroacetic acid, action of, on carbamide and on its alkyl derivatives (RÂY and FERNANDES), T., 2159; P., 181.

$C_2H_3O_2Cl_3$ Chloral hydrate, condensation of carbamide with (COPPIN and TITHERLEY), T., 32.

C_2H_4OS Thiolacetic acid, condensation of, with naphthasulphonium-quinone (GHOSH and SMILES), T., 1400.

$C_2H_5O_2N_3$ Biuret, formation of (WERNER), P., 262.

$C_2H_6ON_2$ Methyl*iso*carbamide, and its salts (WERNER), T., 923; P., 26.

2 IV

$C_2H_3O_5ClS$ *dl*-Chlorosulphoacetic acid, *d*-hydroxyhydrindamine salt of (POPE and READ), T., 814.

C_3 Group.

$C_3H_4O_4$ Malonic acid, condensation of furan-2:5-dialdehyde with (COOPER and NUTTALL), T., 2218; P., 227.

C_3H_6O Allyl alcohol, preparation of (CHATTAWAY), T., 151.

$C_3H_6O_2$ Glyceric acid, action of phosphorus pentachloride on esters of (FRANKLAND and TURNBULL), T., 456; P., 29.

Methyl acetate, hydrolysis of (LAMBLE and LEWIS), T., 2330; P., 222.

$C_3H_6O_3$ Lactic acid, action of thionyl chloride on (FRANKLAND and GARNER), T., 1101; P., 84.

$C_3H_8O_3$ Glycerol, interaction of oxalic acid and (CHATTAWAY), T., 151.

3 III

$C_3H_2OCl_3$ Chlorocyanohydrin, condensation of, with chloral and bromal hydrates (CROWTHER, MCCOMBIE, and READ), T., 933; P., 57.

$C_3H_4ON_2$ Cyanoacetamide, condensation of, with hydroxymethylene ketones (SEN-GUPTA), P., 148.

$C_3H_5O_2Cl$ *l*-Chloropropionic acid (FRANKLAND and GARNER), T., 1110; P., 85.

$C_3H_6O_2N_4$ Dioximinoacetonehydrazone (+ H_2O) (DEY), T., 1045; P., 79.

$C_3H_7ON_3$ Methylglyoxalhydrazoxime (DEY), T., 1041; P., 79.

$C_3H_9O_6P$ Glycerophosphoric acid, salts of (KING and PYMAN), T., 1238; P., 103.

3 IV

$C_3H_3ON_2Cl_3$ Trichloroethylidenecarbamide (COPPIN and TITHERLEY), T., 35.

$C_3H_4O_3SCl_2$ Chlorosulphinyl-lactic chloride (FRANKLAND and GARNER), T., 1110; P., 85.

$C_3H_5O_2N_2Cl_3$ β-Trichloro-α-hydroxyethylcarbamide (COPPIN and TITHERLEY), T., 33.

$C_3H_6O_2N_2S$ Formamidinethiolacetic acid, and its hydrochloride (RÂY and FERNANDES), T., 2160; P., 181.

C_4 Group.

$C_4H_6O_2$ Ethylglyoxal (DAKIN and DUDLEY), T., 2457; P., 108.

$C_4H_6O_4$ Succinic acid, optical rotatory power of derivatives of (CLOUGH), T., 49; P., 307.

$C_4H_6O_6$ Tartaric acid, rotation of, and of its derivatives (CLOUGH), T., 51.

$C_4H_8O_2$ Ethyl acetate, azeotropic mixtures of water and (LATTEY), P., 33; (MERRIMANN), P., 73; equilibrium in the system: ethyl alcohol, acetic acid, water and (FLETCHER and JONES), T., 1542; P., 118.

$C_4H_8Cl_2$ αγ-Dichlorobutane (FARGHER and PERKIN), T., 1356.

$C_4H_8Br_2$ αγ-Dibromobutane, and its action on sodium derivatives of ethyl acetoacetate and benzoylacetate (FARGHER and PERKIN), T., 1350.

$C_4H_{10}O$ Ethyl ether, equilibrium in the system: mercuric and potassium iodides, water and (DUNNINGHAM), T., 368, 724, 2623; P., 8, 58, 107.

4 III

$C_4H_3O_4Br$ Bromofumaric acid, benzylamine salt of (FRANKLAND), T., 2885.

$C_4H_4O_4Br_2$ Dibromosuccinic acids, action of benzylamine on (FRANKLAND), T., 2879; P., 260.

$C_4H_5OCl_5$ Substance from methyl glycerate and phosphorus pentachloride (FRANKLAND and TURNBULL), T., 460.

$C_4H_6ON_2$ *as*-Dimethyloxamonitrile (ATKINSON), T., 1292.

$C_4H_6OCl_2$ Methyl-αβ-dichloropropionate (FRANKLAND and TURNBULL), T., 460.

$C_4H_7O_3N_5$ Semicarbazone of dioximinoacetone (DEY), T., 1046; P., 79.

$C_4H_9ON_3$ Acetonesemicarbazone, and its hydrochloride (WILSON, HEILBRON, and SUTHERLAND), T., 2904.

$C_4H_{10}ON_2$ Methylethyl*iso*carbamide, salts of (WERNER), T., 929.

4 IV

$C_4H_7O_2N_4Cl_3$ Trichloroethylidenedicarbamide, preparation of (COPPIN and TITHERLEY), T., 36.

$C_4H_8ON_2S$ *as*-Dimethylthio-oxamide (ATKINSON), T., 1292; P., 82.

$C_4H_8O_2N_2S$ Methylformamidinethiolacetic acid, hydrochloride of (RÂY and FERNANDES), T., 2161; P., 181.

C_5 Group.

$C_5H_6O_2$ Δ^{α}- and Δ^{β}-Angelicalactones, preparation of (GILMOUR), T., 74.

$C_5H_6O_4$ Methyl tetritol (GILMOUR), T., 78.

$C_5H_7N_5$ 4-Triazo-3:5-dimethylpyrazole (MORGAN and REILLY), T., 442.

$C_5H_8O_2$ *iso*Propylglyoxal (DAKIN and DUDLEY), T., 2458.

Acetylacetone, absorption spectra of metallic derivatives of (MORGAN and MOSS), T., 189.

$C_5H_9N_3$ 4-Amino-3:5-dimethylpyrazole, and its hydrochloride (MORGAN and REILLY), T., 438.

$C_5H_{10}O_3$ Ethyl lactate, action of thionyl chloride on (Frankland and Garner), T., 1101; P., 84.

$C_5H_{10}O_4$ Methyl tetrose (Gilmour), T., 79.

$C_5H_{10}O_5$ Methyltetronic acid, brucine salt (Gilmour), T., 80.

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$C_5H_7OCl_5$ Substances from ethyl glycerate and phosphorus pentachloride (Frankland and Turnbull), T., 462.

$C_5H_7O_2N$ Ethyl cyanoacetate, preparation of (Scarborough), P., 306.

Substance, from methylsuccinyl chloride and ammonia (Morrell), T., 1738.

$C_5H_7O_2Cs$ Cæsium acetylacetone, preparation of (Morgan and Moss), T., 194.

$C_5H_7O_2Li$ Lithium acetylacetone (Morgan and Moss), T., 194.

$C_5H_8ON_4$ 3:5-Dimethylpyrazole-4-diazonium hydroxide, salts of (Morgan and Reilly), T., 439.

$C_5H_8O_2Cl_2$ Ethyl $\alpha\beta$-dichloropropionate (Frankland and Turnbull), T., 461.

$C_5H_9O_2Cl$ Ethyl chloropropionates (Frankland and Garner), T., 1110; P., 85.

5 IV

$C_5H_2O_2NCl_5$ 4:4-Dichloro-3:5-oxido-5-trichloromethyl-2-pyrrolidone (Crowther, McCombie, and Reade), T., 943; P., 58.

$C_5H_6O_3N_2Cl_6$ Di(β-trichloro-α-hydroxyethyl)carbamide, preparation of (Coppin and Titherley), T., 34.

$C_5H_9O_4ClS$ Ethyl chlorosulphinyl-lactate (Frankland and Garner), T., 1112; P., 85.

5 V

$C_5H_2O_2NCl_2Br_3$ 4:4-Dichloro-3:5-oxido-5-tribromomethyl-2-pyrrolidone (Crowther, McCombie, and Reade), T., 946.

C_6 Group.

C_6H_6 Benzene, mutual solubility of formic acid and (Ewins), T., 350; P., 3.

6 II

$C_6H_4O_2$ *p*-Benzoquinone, action of sulphurous acid and of alkali on (Dodgson), T., 2435; P., 239.

$C_6H_4O_3$ Furan-2:5-dialdehyde, condensations of, with malonic acid and its diethyl ester (Cooper and Nuttall), T., 2218; P., 227.

$C_6H_4O_6$ Sarsapic acid (Power and Salway), T., 205.

$C_6H_7O_2$ *sec.*-Butylglyoxal (Dakin and Dudley), T., 2460; P., 108.

$C_6H_8N_2$ *p*-Phenylenediamine, absorption spectra of (Purvis), T., 598.

$C_6H_{10}O_3$ Ethyl acetoacetate, sodium derivative of, action of $\alpha\gamma$-dibromobutane on (Fargher and Perkin), T., 1353.

$C_6H_{12}O_6$ *d*-Mannose, conversion of *d*-glucosamine into (Irvine and Hynd), T., 698; P., 60.

$C_6H_{14}O$ Ethyl-*n*-propylcarbinol, resolution of, and its salts (Kenyon), T., 2236.

Methyl-*tert.*-butylcarbinol, resolution of (Pickard and Kenyon), T., 1115; P., 83.

$C_6H_{14}O_6$ Mannitol, formation of ethers from (Irvine and Paterson), T., 915; P., 69.

$C_6H_{14}N_2$ Dimethylpiperazine, nitrite of (Rây), P., 145.

trans-2:5- and *cis*-2:6-Dimethylpiperazines (Pope and Read), T., 220.

6 III

C_6H_5ONa Sodium phenoxide, relative activities of alkyl iodides with (SEGALLER), T., 106, 112.

$C_6H_5O_5N_3$ 3:5-Dinitro-*p*-aminophenol, action of acid anhydrides on (MELDOLA and HOLLELY), T., 410; P., 25.

$C_6H_5Br_2Bi$ Phenyldibromobismuthine (CHALLENGER), T., 2215; P., 229.

C_6H_6NI *p*-Iodoaniline, preparation of (CHATTAWAY and CONSTABLE), T., 125.

$C_6H_6N_2Cl_2$ 2:4-Dichlorophenylhydrazine (CHATTAWAY and PEARCE), P., 308.

$C_6H_8O_3Cl_2$ Chloropropionyl-lactic chloride (FRANKLAND and GARNER), T., 1111; P., 85.

$C_6H_9O_4N$ *d*-Dimethoxysuccinimide (YOUNG), T., 1234; P., 114.

$C_6H_9O_4Cl$ Chloropropionyl-lactic acid (FRANKLAND and GARNER), T., 1112; P., 85.

$C_6H_{10}O_2N_4$ Methylglyoxaloximazine (DEY), T., 1042; P., 79.

$C_6H_{10}O_{10}P_2$ Phytic acid, and its salts (CLARKE), T., 535; P., 32.

$C_6H_{11}O_5N$ *d*-Dimethoxysuccinamic acid (YOUNG), T., 1233; P., 114.

$C_6H_{12}O_2N_2$ *cis*- and *trans*-Dimethylsuccinamides (MORRELL and GROENEWOLD), T., 2706.

$C_6H_{13}ON_3$ Nitrosodimethylpiperazine (RÂY), P., 144.

$C_6H_{12}O_5N$ *d*-Glucosamine, conversion of, into *d*-mannose (IRVINE and HYND), T., 698; P., 60.

$C_6H_{14}O_4N_4$ *d*-Dimethoxysuccinohydrazide (YOUNG), T., 1234.

6 IV

$C_6H_4O_2NCl_5$ Methyl derivative of 4:4-dichloro-3:5-oxido-5-trichloromethyl-2-pyrrolidone (CROWTHER, MCCOMBIE, and READE), T., 943; P., 58.

$C_6H_5O_2ClSe$ *p*-Chlorophenylselenious acid (MORGAN and ELLIOTT), P., 249.

$C_6H_5O_4NSe$ Nitrophenylselenious acid (PYMAN), P., 302.

$C_6H_7O_3NSe$ Aminophenylselenic acid (PYMAN), P., 302.

$C_6H_{10}O_2N_2S$ Allylformamidinethiolacetic acid, hydrochloride of (RÂY and FERNANDES), T., 2161; P., 181.

$C_6H_{12}ON_2S$ *as*-Diethylthio-oxamide (ATKINSON), T., 1292; P., 82.

$C_6H_{15}O_3Cl_3Si_2$ Trichlorotriethoxysilico-ethane (MARTIN), T., 2868.

6 V

$C_6H_6O_3NIS$ Iodoanilinesulphonic acids, molecular conductivities of (BOYLE), P., 161.

C_7 Group.

C_7H_8 Toluene, bromination of (COHEN and DUTT), T., 501; P., 15, 271.

7 II

C_7H_6O Benzaldehyde, absorption spectra of (PURVIS), T., 2482; P., 240.

$C_7H_6O_2$ Benzoic acid, rotation of esters of (KENYON and PICKARD), P., 307.

Salicylaldehyde, and *m*- and *p*-Hydroxybenzaldehydes, absorption spectra of (PURVIS), T., 2489; P., 240.

$C_7H_6Cl_2$ Benzylidene chloride, absorption spectra of (PURVIS), T., 2497; P., 240.

$C_7H_6S_2$ Dithiobenzoic acid (WHITE), P., 37.

$C_7H_8O_6$ *cis*- and *trans-cyclo*Butane-1:2:3-tricarboxylic acids (GOLDSWORTHY and PERKIN), T., 2670; P., 261.

C_7H_9N Benzylamine, action of, on dibromosuccinic acids (FRANKLAND), T., 2879; P., 260.

$C_7H_{10}O$ 1-Methyl-Δ^1-*cyclo*hexen-3-one, preparation of (FARGHER and PERKIN), T., 1362.

$C_7H_{10}O_4$ *trans-cyclo* Pentane-1:2-dicarboxylic acid, resolution of, and brucine salt of the *d*-acid (GOLDSWORTHY and PERKIN), T., 2641; P., 261.

$C_7H_{10}O_6$ Butane-$\alpha\beta\delta$-tricarboxylic acid, preparation of (HAWORTH and KING), T., 1350.

$C_7H_{10}N_2$ Phenylmethylhydrazine, hydroferrocyanide of (SINGH), T., 1979.

$C_7H_{12}O$ 2:6-Dimethyl-2:3-dihydro-1:4-pyran (FARGHER and PERKIN), T., 1359.

$C_7H_{12}O_2$ Heptane-$\beta\zeta$-dione, preparation of (FARGHER and PERKIN), T., 1361.

$C_7H_{12}O_4$ $\alpha\beta$-Dimethoxyvalerolactone (GILMOUR), T., 80.

Diethyl malonate, preparation of (SCARBOROUGH), P., 306; condensation of furan-2:5-dialdehyde with (COOPER and NUTTALL), T., 2218; P., 227.

$C_7H_{14}O_2$ 2:6-Dimethyl-2:3:5:6-tetrahydro-1:4-pyran (FARGHER and PERKIN), T., 1360.

Heptan-ζ-ol-β-one (FARGHER and PERKIN), T., 1359.

$C_7H_{14}O_5$ γ-Hydroxy-$\alpha\beta$-dimethoxyvaleric acid, sodium salt (GILMOUR), T., 80.

$C_7H_{14}O_6$ Methyl α- and β-glucoses (IRVINE and HOGG), T., 1386; P., 145.

Methylmannoside (IRVINE and HYND), T., 710.

$C_7H_{14}Br_2$ $\beta\zeta$-Dibromoheptane (FARGHER and PERKIN), T., 1360.

$C_7H_{16}O$ Ethyl-*n*-butylcarbinol, resolution of, and its salts (KENYON), T., 2238.

$C_7H_{16}O_2$ Heptane-$\beta\zeta$-diol (FARGHER and PERKIN), T., 1360.

$C_7H_{16}O_6$ Methyl gluconolactone (IRVINE and HOGG), T., 1395; P., 146.

7 III

$C_7H_3O_2Br_3$ Tribromobenzoic acids (COHEN and DUTT), T., 511.

$C_7H_3N_3Cl_3$ 3:5:7-Trichloroindazole (KENNER and CURTIS), T., 2737; P., 174.

$C_7H_4O_5N_4$ 5:7-Dinitro-3-keto-1:3-dihydroindazole, and its salts (KENNER and CURTIS), T., 2732; P., 174.

C_7H_5OCl Benzoyl chloride, absorption spectra of (PURVIS), T., 2494; P., 240.

o-, *m*-, and *p*-Chlorobenzaldehydes, absorption spectra of (PURVIS), T., 2483; P., 240.

$C_7H_6OBr_2$ 4:6-Dibromo-*m*-cresol (GIBBS and ROBERTSON), T., 1888.

$C_7H_6O_5N_2$ Dinitro-*m*-cresols (GIBBS and ROBERTSON), T., 1889.

C_7H_6ClBr Chlorobromotoluenes (COHEN and SMITHELLS), T., 1912.

C_7H_7ON Benzaldoxime, absorption spectra of (PURVIS), T., 2496; P., 240.

$C_7H_7O_2N$ Hydroxybenzaldoximes (BRADY and DUNN), T., 825; P., 65.

$C_7H_7O_5N_3$ 2:6-Dinitro-4-methylaminophenol (*methylisopicramic acid*) (MELDOLA and HOLLELY), T., 2077.

$C_7H_8ON_4$ 5:7-Diamino-3-keto-1:3-dihydroindazole (KENNER and CURTIS), T., 2733.

$C_7H_8O_3N_2$ 3-Nitro-*o*-toluidine, preparation of (HADFIELD and KENNER), P., 253.

4-Nitro-*m*-toluidine, preparation of (MORGAN and SCHARFF), T., 120.

$C_7H_8O_3N_2$ 2-Nitro-4-methylaminophenol (MELDOLA and HOLLELY), T., 2077.

$C_7H_8O_3S_2$ Benzylthiosulphuric acid, sodium salt, reaction of iodine with (PRICE and JAQUES), T., 1140; P., 117.

$C_7H_{11}OCl_5$ Substance from *iso*butyl glycerate and phosphorus pentachloride (FRANKLAND and TURNBULL), T., 462.

$C_7H_{11}O_3N_3$ Diacetyl derivative of methylglyoxalhydrazoxime (DEY), T., 1041 ; P., 79.

$C_7H_{11}O_4N$ *d*-Dimethoxysuccinomethylimide (YOUNG), T., 1234.

$C_7H_{12}O_2Cl_2$ *iso*Butyl $\alpha\beta$-dichloropropionate (FRANKLAND and TURNBULL), T., 462.

$C_7H_{13}OBr$ ζ-Bromoheptan-β-one (FARGHER and PERKIN), T., 1358.

$C_7H_{14}ON_2$ Piperidyliminomethyl methyl ether, and its salts (WERNER), T., 931.

$C_7H_{15}ON$ Dipropylformamide (ATKINSON), T., 1294 ; P., 82.

7 IV

$C_7H_3O_4N_2Br_3$ Tribromodinitrotoluenes (COHEN and DUTT), T., 512.

$C_7H_3O_4N_4Cl$ 3-Chloro-5:7-dinitroindazole (KENNER and CURTIS), T., 2736.

$C_7H_4O_2NBr_3$ Tribromonitrotoluenes (COHEN and DUTT), T., 511.

$C_7H_4O_3NCl_9$ 6-Keto-2:4:7-tri-(trichloromethyl)-1:3:5-dioxazseptan, preparation of (CROWTHER, MCCOMBIE and READE), T., 938.

C_7H_4NClSe *p*-Chlorophenylselenocyanate (MORGAN and ELLIOTT), P., 248.

$C_7H_5O_5N_2Br$ Bromodinitro-*m*-cresols (GIBBS and ROBERTSON), T., 1891.

$C_7H_6O_3NCl$ 6-Chloro-4-nitro-*m*-cresol (GIBBS and ROBERTSON), T., 1890.

$C_7H_6O_3NBr$ Bromonitro-*m*-cresols (GIBBS and ROBERTSON), T., 1890.

$C_7H_7ON_2I$ *p*-Iodophenylcarbamide (CHATTAWAY and CONSTABLE), T., 131.

$C_7H_{12}ON_2S$ Piperidylthioglyoxylamide (ATKINSON), T., 1292 ; P., 82.

$C_7H_{14}ONCl$ Dipropylcarbamyl chloride (ATKINSON), T., 1293 ; P., 82.

7 V

$C_7H_4O_3NCl_3Br_6$ 6-Keto-7-trichloromethyl-2:4-di-(tribromomethyl)-1:3:5-dioxazseptan (CROWTHER, MCCOMBIE, and READE), T., 944.

C_8 Group.

C_8H_{10} *m*-Xylene, equilibrium of ethyl alcohol, water, and (HOLT and BELL), T., 633.

8 II

C_8H_8O *o*-, *m*-, and *p*-Tolualdehydes, absorption spectra of (PURVIS), T., 2488 ; P., 240.

$C_8H_6O_2$ *o*-, *m*-, and *p*-Phthaldehydes, absorption spectra of (PURVIS), T., 2492 ; P., 240.

$C_8H_8O_3$ Vanillin, absorption spectra of (PURVIS), T., 2495 ; P., 240 ; derivatives of (PERKIN and ROBINSON), T., 2376 ; P., 234.

$C_8H_8O_6$ Methyl sarsapate (POWER and SALWAY), T., 206.

$C_8H_{10}O_3$ Anhydride of 1-methyl*cyclo*pentane-2:3-dicarboxylic acid (FARGHER and PERKIN), T., 1366.

$C_8H_{10}O_6$ *cis*- and *trans-cyclo*Pentane-1:2:4-tricarboxylic acids (GOLDSWORTHY and PERKIN), T., 2671 ; P., 261.

$C_8H_{11}N$ Benzylmethylamine, nitrite of (RÂY), P., 144.

$C_8H_{12}O_2$ Dimethyldihydroresorcin, preparation of bromoxylenols from (CROSSLEY and RENOUF), T., 165.

$C_8H_{12}O_3$ 2:6-Dimethyl-2:3-dihydro-1:4-pyran-5-carboxylic acid, and its silver salt (FARGHER and PERKIN), T., 1358.

$C_8H_{12}O_4$ 1-Methyl*cyclo*pentane-2:3-dicarboxylic acid, and its calcium salt (FARGHER and PERKIN), T., 1366.

$C_8H_{12}O_5$ *d*-Diethoxysuccinic anhydride (YOUNG), T., 1236.
$C_8H_{14}O_6$ Lactone of dimethylmannonic acid (IRVINE and PATERSON), T., 910; P., 69.
$C_8H_{16}O$ δδ-Dimethylhexan-γ-one (PARRY), P., 298.
$C_8H_{16}O_3$ Ethylglyoxalacetal (DAKIN and DUDLEY), T., 2457; P., 108.
$C_8H_{16}O_7$ Dimethylmannonic acid (IRVINE and PATERSON), T., 910; P., 69.
$C_8H_{18}O_6$ Dimethylmannitol (IRVINE and PATERSON), T., 909; P., 68.
$C_8H_{18}N_2$ *cis*-1:2:4:6-Tetramethylpiperazine, and its resolution and salts (POPE and READ), T., 224.

8 III

$C_8H_5O_4I$ 3- and 4-Iodophthalic acids, preparation of (KENNER and MATHEWS), T., 2477.
$C_8H_5O_6N$ 3-Nitrophthalic acid, preparation of (KENNER and MATHEWS), T., 2477.
C_8H_7ON Mandelonitrile, absorption spectra of (PURVIS), T., 2497; P., 240.
$C_8H_7O_2Cl$ *l*-Phenylchloroacetic acid, conversion of, into *d*-diphenylsuccinic acid (MCKENZIE, DREW, and MARTIN), P., 304.
$C_8H_7O_2Br$ Homopiperonyl bromide (G. M. and R. ROBINSON), T., 1463.
$C_8H_7O_2Br_3$ Glycol 2:4:6-tribromophenyl ether (BOYD and MARLE), T., 2136.
$C_8H_7O_3Cl_3$ Glycol 2:4:6-trichlorophenyl ether (BOYD and MARLE), T., 2136.
$C_8H_7O_4N$ 3-Aminophthalic acid, preparation of (KENNER and MATHEWS), P., 2477.
$C_8H_7O_6N$ 4-Nitro-3-hydroxy-2-methoxybenzoic acid, and its silver salt (CAIN, SIMONSEN, and SMITH), T., 1341.
$C_8H_7O_6N_3$ 3:5-Dinitro-*O*-acetyl-*p*-aminophenol (MELDOLA and HOLLELY), T., 412; P., 25.
$C_8H_8O_6N_2$ 5:6-Dinitro-3-hydroxy-*o*-tolyl methyl ether (CAIN and SIMONSEN), T., 160.
$C_8H_9ON_3$ Benzaldehydesemicarbazone, and its hydrochloride (WILSON, HEILBRON, and SUTHERLAND), T., 2905.
Phenylglyoxalhydrazoxime (DEY), T., 1043; P., 79.
$C_8H_9O_2N$ *m*-Methoxybenzaldoxime, isomeric forms of (BRADY and DUNN), T., 2409; P., 240.
$C_8H_9O_3N$ Vanillinoxime, isomeric forms of (BRADY and DUNN), T., 2409; P., 240.
$C_8H_9O_4N$ Glycol nitrophenyl ethers (BOYD and MARLE), T., 2138.
$C_8H_{10}ON_2$ Phenylmethyl*iso*carbamide, and its salts (WERNER), T., 930.
$C_8H_{13}O_3Cl$ Ethyl dimethylsuccinyl chloride (HAWORTH and KING), T., 1349.
$C_8H_{14}ON_2$ *as*-Dipropyloxamonitrile (ATKINSON), T., 1291; P., 82.
Phenyldimethylazonium hydroxide, salts of (SINGH), T., 1986.
$C_8H_{15}O_3N$ Dipropyloxamic acid (ATKINSON), T., 1293; P., 82.
$C_8H_{16}O_2N_2$ *as*-Dipropyloxamide (ATKINSON), T., 1291: P., 82.
$C_8H_{18}ON_2$ Methyldipropyl*iso*carbamide, platinichloride of (WERNER), T., 932.
$C_8H_{18}O_4N_4$ *d*-Diethoxysuccinohydrazide (YOUNG), T., 1237.

8 IV

$C_8H_6O_5NBr$ Bromonitrohydroxy-*p*-toluic acids (GIBBS and ROBERTSON), T., 1891.
C_8H_8ONI *p*-Iodoacetanilide, preparation of (CHATTAWAY and CONSTABLE), T., 125.

$C_8H_8O_2NI$ Methyl *p*-iodophenylcarbamate (CHATTAWAY and CONSTABLE), T., 129.
$C_8H_9O_3NSe$ Acetylaminophenylselenious acid (PYMAN), P., 302.
$C_8H_{14}O_2NCl$ Dipropyloxamylchloride (ATKINSON), T., 1293; P., 82.
$C_8H_{16}ON_2S$ *as*-Dipropylthio-oxamide (ATKINSON), T., 1292; P., 82.

C_9 Group.

$C_9H_6O_2$ *iso*Coumarin, derivatives of (BAIN, PERKIN, and ROBINSON); T., 2392; P., 234.
C_9H_8O Cinnamaldehyde, absorption spectra of (PURVIS), T., 2494; P., 240.
$C_9H_{10}O$ Ethyl benzoate, saponification of derivatives of (MCCOMBIE and SCARBOROUGH), P., 294.
$C_9H_{10}O_4$ *o*-Veratric acid (PERKIN, ROBINSON, and ROBERTS), T., 2383.
$C_9H_{10}O_8$ *cyclo*Pentane-1:2:2:4-tetracarboxylic acid (GOLDSWORTHY and PERKIN), T., 2672.
$C_9H_{11}N$ 2-Hydrindamine, preparation of, and its salts (KENNER and MATHEWS), T., 745; P., 4.
$C_9H_{12}O$ Methylbenzylcarbinol, rotation of esters of (KENYON and PICKARD), T., 2262; P., 232; resolution of, and its salts (PICKARD and KENYON), T., 1115; P., 83.
$C_9H_{12}O_2$ 2:3-Dimethoxytoluene (CAIN and SIMONSEN), T., 159.
Glycol *p*-tolyl ether (BOYD and MARLE), T., 2134.
$C_9H_{12}O_3$ *o*-Homoveratryl alcohol (PERKIN, ROBINSON, and ROBERTS), T., 2384.
$C_9H_{12}O_6$ *cis*- and *trans-cyclo*Hexane-1:2:4-tricarboxylic acids (GOLDSWORTHY and PERKIN), T., 2673; P., 261.
$C_9H_{13}N$ *d*-1-Methyl*cyclo*hexene-3-acetonitriles (HAWORTH and FYFE), T., 1664.
$C_9H_{14}O_4$ Ethyl glutaconate, condensation of (CURTIS and KENNER), T., 282; P., 3.
$C_9H_{14}N_2$ Diaminomesitylene, diazotisation of (MORGAN and REILLY), P., 74.
$C_9H_{16}O$ *l-iso*Propyl*cyclo*hexan-3-one (CROSSLEY and PRATT), P., 55.
$C_9H_{18}O$ *l-iso*Propyl*cyclo*hexan-3-ol (CROSSLEY and PRATT), P., 56.
$C_9H_{18}O_3$ *iso*Propylglyoxalacetal (DAKIN and DUDLEY), T., 2458.
$C_9H_{18}O_6$ Mannitolacetone (IRVINE and PATERSON), T., 908; P., 69.
$C_9H_{20}O$ γ-Nonanol, resolution of, and preparation of its esters (KENYON), T., 2239; P., 232.
$C_9H_{20}N_2$ *cis*-1:2:4:4:6-Pentamethylpiperazine, salts of (POPE and READ), T., 227.

9 III

$C_9H_5O_6N$ Anhydride of 3-nitro-4-methoxyphthalic acid (CAIN and SIMONSEN), T., 163.
$C_9H_6O_5N_2$ 6-Nitro-3:4-methylenedioxymandelonitrile (G. M. and R. ROBINSON), T., 1466.
$C_9H_6O_6N_4$ Acetyl derivative of 5:7-dinitro-3-keto-1:3-dihydroindazole (KENNER and CURTIS), T., 2732; P., 174.
C_9H_7ON *iso*Carbostyril (BAIN, PERKIN, and ROBINSON), T., 2397; P., 234.
$C_9H_7O_6N$ 6-Nitropiperonylacetic acid (FOULDS and ROBINSON), T., 1965; P., 221.
$C_9H_7O_7N$ 3- and 5-Nitro-4-methoxyphthalic acids, and salts of the former (CAIN and SIMONSEN), T., 162.
6-Nitro-3:4-methylenedioxymandelic acid (G. M. and R. ROBINSON), T., 1466.

$C_9H_9O_2N$ Glycol cyanophenyl ethers (Boyd and Marle), T., 2137.

$C_9H_9O_2Br_3$ Propylene glycol 2:4:6-tribromophenyl ethers (Boyd and Marle), T., 2136.

$C_9H_9O_3N$ Acetylsalicylaldoxime and *p*-acetoxybenz*syn*aldoxime (Brady and Dunn), T., 825.

$C_9H_9O_3Cl$ 4:5-Dihydroxy-*o*-tolyl chloromethyl ketone (Stephen and Weizmann), T., 1050; P., 71.

$C_9H_9O_5N$ Nitromethoxy-*o*-toluic acid (Cain and Simonsen), T., 163.

6-Nitro-*o*-veratraldehyde (Perkin, Robinson, and Roberts), T., 2389; P., 234.

$C_9H_9O_6N$ 4-Nitro-2:3-dimethoxybenzoic acid, and its silver salt (Cain, Simonsen, and Smith), T., 1340.

5-Nitro-2:3-dimethoxybenzoic acid (Cain and Simonsen), T., 159.

6-Nitro-2:3-dimethoxybenzoic acid (Perkin, Robinson, and Cardwell), T., 2390.

Acid (+ H_2O), from oxidation of nitrosantalin dimethyl ether (Cain, Simonsen, and Smith), T., 1341.

$C_9H_9O_6N_3$ 3 5-Dinitro-*O*-propionyl-*p*-aminophenol (Meldola and Hollely), T., 416.

Acetyl derivative of 2:6-dinitro-4-methylaminophenol (Meldola and Holleley), T., 2077.

$C_9H_9N_6Co$ α- and β-Trimethyl cobalticyanides (Hartley), T., 521; P., 37.

$C_9H_{10}O_2N_4$ Semicarbazone of oximinoacetophenone (+ H_2O) (Dey), T., 1044; P., 79.

$C_9H_{10}O_4N_2$ Acetyl derivative of 2-nitro-4-methylaminophenol (Meldola and Hollely), T., 2077.

$C_9H_{10}O_6N_2$ 5:6-Dinitro-2:3-dimethoxytoluene (Cain and Simonsen), T., 161.

$C_9H_{11}O_2N$ Hydroxyphenylpropionamides (McKenzie, Martin, and Rule), T., 1588.

r- and *l*-α-Methoxyphenylacetamides (McKenzie, Martin, and Rule), T., 1587.

$C_9H_{11}O_3N$ 5-Nitro-4-methoxy-*o*-xylene (Cain and Simonsen), T., 163.

dl-Tyrosine, synthesis of (Stephen and Weizmann), T., 1152; P., 114.

Veratraldoxime, isomeric forms of, and its hydrochloride (Brady and Dunn), T., 2409; P., 240.

$C_9H_{11}O_3N_5$ 2-Nitro-6-triazo-4-trimethylammonium-1-benzoquinone (Meldola and Hollely), T., 1477.

$C_9H_{11}O_4N$ 3:4-Dihydroxy-*dl*-phenylalanine, and its salts (Stephen and Weizmann), T., 1152; P., 114.

5- and 6-Nitro-2:3-dimethoxytoluenes (Cain and Simonsen), T., 159.

Propylene glycol *p*-nitrophenyl ethers (Boyd and Marle), T., 2138.

$C_9H_{11}O_5N_3$ 2:6-Dinitro-4-methylethylaminophenol (*methylethylisopicramic acid*) (Meldola and Hollely), T., 2079.

$C_9H_{12}ON_2$ *p*-Dimethylaminobenzaldoximes, isomerism of (Brady and Dunn), T., 2872; P., 292.

$C_9H_{12}O_4N_2$ 2-Nitro-5:6-dimethoxy-*m*-toluidine (Cain and Simonsen), T., 161.

$C_9H_{15}ON$ *d*-1-Methyl-$\Delta^{3\,(\text{or}\,3)}$*cyclo*hexene-3-acetamides (Haworth and Fyfe), T., 1665.

$C_9H_{15}N_2I$ Benzyldimethylazonium iodide (Singh), T., 1977; P., 136.

$C_9H_{18}O_2N_6$ Disemicarbazone of heptane-βζ-dione (Fargher and Perkin), T., 1362.

9 IV

$C_9H_8O_4NCl_9$ 6-Keto-5-acetyl-2:4:7-tri-(trichloromethyl)-1:3:5-dioxazseptan (CROWTHER, McCOMBIE, and READE), T., 940.

$C_9H_{10}ONI$ *p*-Iodopropioanilide (CHATTAWAY and CONSTABLE), T., 126.

$C_9H_{10}O_2NI$ Ethyl *p*-iodophenylcarbamate (CHATTAWAY and CONSTABLE), T., 129.

$C_9H_{12}ON_7Cl$ 2:6-Bistriazo-4-trimethylammonium-1-benzoquinone chloride (MELDOLA and HOLLELY), T., 1479.

9 V

$C_9H_6O_4NCl_3Br_6$ 6-Keto-5-acetyl-7-trichloromethyl-2:4-di-(tribromomethyl)-1:3:5-dioxazseptan (CROWTHER, McCOMBIE, and READE), T., 945.

C_{10} Group.

$C_{10}H_{16}$ Camphene, constitution of (HAWORTH and KING), T., 1342; P., 143.

1-Dimethylvinyl-Δ^1-*cyclo*hexene (HAWORTH, FYFE, and MACKAY), T., 1670.

10 II

$C_{10}H_6O_4$ 1:2-Diketo-5:6-methylenedioxyhydrindene (PERKIN, ROBERTS, and ROBINSON), T., 2408; P., 235.

$C_{10}H_7Br$ α-Bromonaphthalene, physical properties of (JONES and LAPWORTH), T., 1804; P., 202.

$C_{10}H_8O$ α-Naphthol, condensation of phenols with (SEN-GUPTA), T., 399.

β-Naphthol, action of nitric acid on sulphides of (HUTCHISON and SMILES), T., 1744; P., 213.

$C_{10}H_8O_2$ Piperonylallylene (FOULDS and ROBINSON), T., 1971.

$C_{10}H_8O_3$ α-Hydroxy-β-phenylcrotonolactone (HALL, HYNES, and LAPWORTH), P., 305.

$C_{10}H_{10}O$ 2-Aldehydohydrindene (KENNER), T., 2694.

$C_{10}H_{10}O_2$ Phenylethylglyoxal (DAKIN and DUDLEY), T., 2461; P., 108.

$C_{10}H_{10}O_5$ Furan-2-propionic-5-acrylic acid (COOPER and NUTTALL), T., 2225.

$C_{10}H_{11}Br$ 2-Bromo-2-methylhydrindene (KENNER), T., 2694; P., 244.

$C_{10}H_{12}O$ Cuminaldehyde, absorption spectra of (PURVIS), T., 2493; P., 240.

2-Hydroxymethylhydrindene (KENNER), T., 2693; P., 244.

$C_{10}H_{12}O_5$ Furan-2:5-dipropionic acid (COOPER and NUTTALL), T., 2225; P., 228.

$C_{10}H_{13}N$ 2-Hydrindylmethylamine, and its salts (KENNER), T., 2696.

$C_{10}H_{14}O$ Methylphenylethylcarbinol, resolution of, and its salts (PICKARD and KENYON), T., 1115; P., 83.

$C_{10}H_{14}O_2$ Glycol *p*-xylyl ether (BOYD and MARLE), T., 2134.

$C_{10}H_{14}O_6$ *cis*- and *trans-cyclo*Heptane-1:2:4-tricarboxylic acids (GOLDSWORTHY and PERKIN), T., 2675; P., 261.

$C_{10}H_{16}O$ *d*-, *l*- and *dl*-Epicamphor (FURNESS and PERKIN), T., 2024.

$C_{10}H_{16}O_3$ Ethyl-2:6-dimethyl-2:3-dihydro-1:4-pyran-5-carboxylate (FARGHER and PERKIN), T., 1357.

$C_{10}H_{16}Br_2$ 2:3-Dibromonaphthalene (WYNNE), P., 204.

$C_{10}H_{18}O$ Borneol, rotation and refractivity of (PEACOCK), T., 2782; P., 264.

Borneols and menthones, rotation of (KENYON and PICKARD), P., 273.

1-*iso*Butanol-Δ^1-*cyclo*hexene (HAWORTH, FYFE, and MACKAY), T., 1670.

$C_{10}H_{18}O_2$ Substance from reduction of ethyl *cyclo*hexanediacetate (KENNER), T., 2697.

$C_{10}H_{18}O_5$ Ethyl γ-diethoxyacetoacetate (DAKIN and DUDLEY), T., 2455.

$C_{10}H_{18}O_6$ Methyl *d*-diethoxysuccinate (YOUNG), T., 1235; P., 114.

Tetramethylmannonolactone (IRVINE and PATERSON), T., 915; P., 69.

$C_{10}H_{19}N_3$ Aminocamphorhydrazone (FORSTER and KUNZ), T., 1727.

$C_{10}H_{20}O$ εε-Dimethyloctan-δ-one (PARRY), P., 298.

$C_{10}H_{20}O_3$ *iso*- and *sec.*-Butylglyoxalacetals (DAKIN and DUDLEY), T., 2459; P., 108.

$C_{10}H_{22}O_6$ Tetramethylmannitol (IRVINE and PATERSON), T., 912; P., 69.

$C_{10}H_{24}N_2$ *cis*-1:1:2:4:4:6-Hexamethylpiperazine, salts of (POPE and READ), T., 228.

10 III

$C_{10}H_7O_3N$ *iso*Carbostyrilcarboxylic acid (BAIN, PERKIN, and ROBINSON), T., 2397; P., 234.

$C_{10}H_7O_4Cl$ 3-Chlorodihydroxy-4-methylcoumarins (DEY), P., 38.

$C_{10}H_8O_2S$ 1:2-Dihydroxy-4-thiolnaphthalene (GHOSH and SMILES), T., 1398.

$C_{10}H_8NBr$ 3-Bromo-2-naphthylamine (WYNNE), P., 204.

$C_{10}H_9O_2Br$ Bromo*iso*safrole (FOULDS and ROBINSON), T., 1971.

$C_{10}H_9O_2N$ 5:6-Methylenedioxy-2-methylindole (FOULDS and ROBINSON), T., 1969.

$C_{10}H_9O_4N$ 5-Nitrohydrindene-2-carboxylic acid, and its resolution (MILLS, PARKER, and PROWSE), T., 1537; P., 161.

6-Nitrosafrole (FOULDS and ROBINSON), T., 1965; P., 221.

$C_{10}H_9O_4I$ Dimethyl 3- and 4-iodophthalates (KENNER and MATHEWS), T., 2477; P., 242.

$C_{10}H_9O_5N$ *o*-Nitro-*p*-toluoylacetic acid (DUFF), T., 2185; P., 230.

$C_{10}H_9O_7N$ Methyl 6-nitro-3:4-methylenedioxymandelate (G. M. and R. ROBINSON), T., 1467.

$C_{10}H_{11}ON_3$ Benzylidene derivative of methylglyoxalhydrazoxime (DEY), T., 1042; P., 79.

$C_{10}H_{11}O_2N$ 6-Aminosafrole (FOULDS and ROBINSON), T., 1965; P., 221.

Propyleneglycol *p*-cyanophenyl ethers (BOYD and MARLE), T., 2138.

$C_{10}H_{11}O_2N_3$ Benzoyl derivative of methylglyoxalhydrazoxime (DEY), T., 1042; P., 79.

$C_{10}H_{11}O_3N$ Acetyl-*m*-methoxybenz*anti*aldoxime (BRADY and DUNN), T., 2413; P., 240.

$C_{10}H_{11}O_4N$ Acetylvanillinoxime (BRADY and DUNN), T., 2415; P., 240.

$C_{10}H_{11}O_5N$ Ethyl 2-nitro-3-methoxybenzoate (CAIN and SIMONSEN), T., 164.

$C_{10}H_{12}ON_2$ Hydrazide of hydrindene-2-carboxylic acid (KENNER and MATHEWS), T., 746.

$C_{10}H_{12}O_2N_4$ Phenylcarbamylhydrazone of oximinoacetone (DEY), T., 1043; P., 79.

$C_{10}H_{13}ON_3$ Acetonephenylsemicarbazone, and its hydrochloride (WILSON, HEILBRON, and SUTHERLAND), T., 2904.

Cinnamaldehydesemicarbazone, and its hydrochlorides and sulphate (WILSON, HEILBRON, and SUTHERLAND), T., 2898.

$C_{10}H_{13}O_2N$ *r*- and *l*-Mandeloethylamides (MCKENZIE, MARTIN, and RULE), T., 1586.

1-Methyl-Δ^3- and -Δ^3-*cyclo*hexene-3-cyanoacetic acids (HAWORTH and FYFE), T., 1664.

$C_{10}H_{13}O_3N$ ω-Amino-3:4-dimethoxyacetophenone, and its salts (STEPHEN and WEIZMANN), T., 1052; P., 72.

Veratraldoxime-*O*-methyl ether (BRADY and DUNN), T., 2417.

$C_{10}H_{14}ON_2$ *O*-Methyl ether of *p*-dimethylaminobenz*anti*aldoxime, and its hydrochloride (BRADY and DUNN), T., 2876.

$C_{10}H_{14}O_3N_6$ Substance and its salts, from ethyl 2:6-dicarbethoxy-$\Delta^{2:5}$-*cyclo*hexadien-5-ol-1-acetate (CURTIS and KENNER), T., 289.

$C_{10}H_{14}O_4Ba$ Barium acetylacetone (MORGAN and MOSS), T., 195.

$C_{10}H_{14}O_4Ca$ Calcium acetylacetone (MORGAN and MOSS), T., 195.

$C_{10}H_{14}O_4Cd$ Cadmium acetylacetone (MORGAN and MOSS), T., 196.

$C_{10}H_{14}O_4Zn$ Zinc acetylacetone (MORGAN and MOSS), T., 195.

$C_{10}H_{15}OCl$ α'-Chlorocamphor (LOWRY and STEELE), P., 201.

Chloro-ketone from camphene chlorohydrin (HENDERSON, HEILBRON, and HOWIE), T., 1371; P., 137.

$C_{10}H_{16}O_5N_2$ Ethyl glycylmethylenemalonamide (LEVY), T., 29.

$C_{10}H_{17}OCl$ Camphene chlorohydrin (HENDERSON, HEILBRON, and HOWIE), T., 1368; P., 136.

$C_{10}H_{17}ON_3$ Camphorquinonehydrazoximes (FORSTER and KUNZ), T., 1722; P., 198.

$C_{10}H_{18}O_2Cl_2$ Heptyl $\alpha\beta$-dichloropropionate (FRANKLAND and TURNBULL), T., 463.

$C_{10}H_{18}O_7S$ Ethyl thionyl-lactate (FRANKLAND and GARNER), T., 1113; P., 85.

$C_{10}H_{19}O_3N$ Ethyl dipropyloxamate (ATKINSON), T., 1291; P., 81.

10 IV

$C_{10}H_8O_5NCl_9$ 6-Keto-5-ethylcarbonato-2:4:7-tri-(trichloromethyl)-1:3:5-dioxazseptan (CROWTHER, MCCOMBIE, and READE), T., 939.

$C_{10}H_{10}O_3NI$ Ethyl *p*-iodo-oxanilate (CHATTAWAY and CONSTABLE), T., 129.

$C_{10}H_{13}O_4NS$ *p*-Toluenesulphonylalanine, resolution of (GIBSON), P., 32.

$C_{10}H_{15}O_4BrS$ *d*-Camphor-β-sulphonic acid ($+3H_2O$), and its salts and their rotatory power (POPE and READ), T., 800; P., 74.

$C_{10}H_{16}ONCl$ *N*-Chloroaminocamphor (FORSTER and SCHLAEPFER), T., 2771; P., 260.

C_{11} Group.

$C_{11}H_{18}$ *d*-1-Methyl-3-dimethylvinyl-Δ^2- and -Δ^3-*cyclo*hexenes (HAWORTH and FYFE), T., 1668.

11 II

$C_{11}H_8O_2$ Naphthoic acids, rotation of esters of (KENYON and PICKARD), P., 307.

$C_{11}H_8O_5$ 8-Methoxycoumarin-3-carboxylic acid (PERKIN, ROBINSON, and CHOU), T., 2381; P., 234.

$C_{11}H_{10}O_4$ 1:2-Diketo-5:6-dimethoxyhydrindene (PERKIN, ROBERTS, and ROBINSON), T., 2405; P., 235.

$C_{11}H_{12}O$ 2:4:5-Trimethylcoumarone (DEY), P., 38.

$C_{11}H_{12}O_3$ 4:5-Dimethoxy-1-hydrindone (PERKIN, ROBINSON, and ROBERTS), T., 2388.

Ethyl benzoylacetate, sodium derivative, action of $\alpha\gamma$-dibromobutane on (FARGHER and PERKIN), T., 1353.

$C_{11}H_{12}O_4$ 2:3-Dimethoxycinnamic acid (PERKIN, ROBINSON, and ROBERTS), T., 2387.

$C_{11}H_{14}O_2$ $\omega\omega'$-Dihydroxy-2:2-dimethylhydrindene (KENNER), T., 2693; P., 244.

$C_{11}H_{14}O_4$ 2:3-Dimethoxy-β-phenylpropionic acid (PERKIN, ROBINSON, and ROBERTS), T., 2387.

$C_{11}H_{16}O_2$ Bornylene-3-carboxylic acid (FURNESS and PERKIN), T., 2025.
Glycol ψ-cumyl ether (BOYD and MARLE), T., 2134.

$C_{11}H_{18}O_2$ Methyl *n*- and *iso*-camphenilanates (HENDERSON and SUTHERLAND), T., 1714; P., 203.

$C_{11}H_{18}O_4$ *d*- and *l*-Ethyl *transcyclo*pentane-1:2-dicarboxylates (GOLDSWORTHY and PERKIN), T., 2642; P., 262.

$C_{11}H_{20}O$ *d*-1-Methyl-3-*iso*butanol-Δ^2- and -Δ^3-*cyclo*hexenes (HAWORTH and FYFE), T., 1667.

$C_{11}H_{20}O_5$ Ethyl γ-diethoxy-α-methylacetoacetate (DAKIN and DUDLEY), T., 2456; P., 108.

$C_{11}H_{20}O_{10}$ Glucoxylose, and its hydrolysis and inversion (POWER and SALWAY), T., 1065; P., 109.

$C_{11}H_{22}O_7$ Pentaethyl mannonic acid (IRVINE and PATERSON), T., 923; P., 69.

$C_{11}H_{24}O_6$ Pentamethyl mannitols (IRVINE and PATERSON), T., 920; P., 69.

11 III

$C_{11}H_7O_2Br$ 3-Bromo-β-naphthoic acid (WYNNE), P., 204.

$C_{11}H_7O_4N$ α-Cyano-β-piperonylacrylic acid, potassium salt (JONES), T., 1549.

$C_{11}H_8O_2Cl_2$ Chloride of hydrindene-2:2-dicarboxylic acid (KENNER), T., 2697.

$C_{11}H_9O_3Cl$ 3-Chloro-4:6- and -4:7-dimethylcoumarin (DEY), P., 38.

$C_{11}H_9O_6N$ 5-Nitrohydrindene-2:2-dicarboxylic acid (MILLS, PARKER, and PROWSE), T., 1538.

$C_{11}H_{11}O_2Cl$ 3-Chloro-4:6:7-trimethylcoumarin (DEY), P., 38.

$C_{11}H_{11}O_4N$ Diacetyl-*p*-hydroxybenzaldoxime (BRADY and DUNN), T., 825.
m-Hemipinmethylimide (MASON and PERKIN), T., 2020.
Oximino-derivative of 4:5-dimethoxy-1-hydrindone (PERKIN, ROBINSON, and ROBERTS), T., 2389.

$C_{11}H_{11}O_6N$ Nitro-α-methylmeconine (HOPE and ROBINSON), T., 2103.

$C_{11}H_{11}O_7N$ Methyl 5-nitro-4-methoxyphthalate (CAIN and SIMONSEN), T., 162.

$C_{11}H_{12}O_2N_2$ 4-(3′:4′-Dimethoxyphenyl)glyoxaline, and its salts (STEPHEN and WEIZMANN), T., 1053; P., 72.

$C_{11}H_{13}ON$ Acetyl derivative of 2-hydrindamine (KENNER and MATHEWS), T., 747.

$C_{11}H_{13}ON_3$ Semicarbazone of 2-aldehydohydrindene (KENNER), T., 2694.

$C_{11}H_{13}O_3N$ 3:4-Dimethoxyphthalimidine (MASON and PERKIN), T., 2019.
Methylsuccinanilic acids, isomeric (MORRELL), T., 2705.

$C_{11}H_{13}O_3Cl$ 4:5-Dimethoxy-*o*-tolyl chloromethyl ketone (STEPHEN and WEIZMANN), T., 1050; P., 71.

$C_{11}H_{13}O_4N$ Acetylveratraldoxime (BRADY and DUNN), T., 2417.

$C_{11}H_{13}O_6N$ Ethyl 4-nitro-2:3-dimethoxybenzoate (CAIN, SIMONSEN, and SMITH), T., 1340.
Ethyl 5-nitro-2:3-dimethoxybenzoate (CAIN and SIMONSEN), T., 160.

$C_{11}H_{14}O_2N_2$ Acetyl-*p*-dimethylaminobenz*anti*aldoxime (BRADY and DUNN), T., 2875.

$C_{11}H_{14}O_6N_4$ 3:5-Dinitro-2-dimethylaminoaceto-*p*-anisidide (MELDOLA and HOLLELY), T., 987.

$C_{11}H_{15}O_2N$ Hydroxyphenylpropionethylamides (MCKENZIE, MARTIN, and RULE), T., 1588.

$C_{11}H_{15}O_3N$ 4:5-Dimethoxy-*o*-tolyl aminomethyl ketone, and its salts (STEPHEN and WEIZMANN), T., 1053; P., 72.

$C_{11}H_{15}O_5N$ 2:6-Dinitro-4-methylethylphenetidine and 2:6-Dinitro-4-methyldiethylammonium-1-benzoquinone (MELDOLA and HOLLELY), T., 2079.

$C_{11}H_{17}O_2N$ Bornylene-3-hydroxamic acid (FURNESS and PERKIN), T., 2025.

Propylene glycol-*m*-dimethylaminophenyl ethers (BOYD and MARLE), T., 2139.

$C_{11}H_{18}O_2N_4$ *iso*Nitroso-camphor- and -epicamphor-semicarbazones (FORSTER and KUNZ), T., 1723.

$C_{11}H_{19}ON_3$ Semicarbazones of *d*-1-methyl-3-acetonyl-Δ^2- and -Δ^3-*cyclo*hexenes (HAWORTH and FYFE), T., 1666.

$C_{11}H_{20}ON_4$ Aminocamphorsemicarbazone (FORSTER and KUNZ), T., 1729.

$C_{11}H_{23}ON$ Diamylformamide (ATKINSON), T., 1295; P., 82.

11 IV

$C_{11}H_{12}O_2N_2S$ 2-Thiol-4-(3′:4′-dimethoxyphenyl)glyoxaline (STEPHEN and WEIZMANN), T., 1053; P., 72.

$C_{11}H_{12}O_2N_2Se$ 2-Selenomercaptan-4-(3′:4′-dimethoxyphenylglyoxaline) (STEPHEN and WEIZMANN), T., 1056; P., 72.

$C_{11}H_{12}O_3NI$ Ethyl *p*-iodomalonanilate (CHATTAWAY and CONSTABLE), T., 130.

$C_{11}H_{18}ON_3Cl$ Semicarbazone from chloroketone $C_{10}H_{15}OCl$ (HENDERSON, HEILBRON, and HOWIE), T., 1371.

$C_{11}H_{22}ONCl$ Diamylcarbamyl chloride (ATKINSON), T., 1296; P., 82.

C_{12} Group.

$C_{12}H_{10}$ Diphenyl, absorption spectra of (PURVIS), T., 590; P., 23.

12 II

$C_{12}H_8O_9$ Furan-2:5-dimethylenemalonic acid (COOPER and NUTTALL), T. 2222; P., 227.

$C_{12}H_{10}O$ Diphenyl ether, absorption spectra of (PURVIS), T., 592; P., 23.

$C_{12}H_{10}N_2$ Azobenzene, absorption spectra of (PURVIS), T., 594; P., 23; miscibility of, with azoxybenzene, and the nature of its supposed stereoisomeride (HARTLEY and STUART), T., 309; P., 13.

$C_{12}H_{11}N$ Diphenylamine, absorption spectra of (PURVIS), T., 593; P., 23.

$C_{12}H_{11}N_3$ *p*-Aminoazobenzene, absorption spectra of (PURVIS), T., 596; P., 23.

Diazoaminobenzene, absorption spectra of (PURVIS), T., 597.

$C_{12}H_{12}O$ Methyl-α-naphthylcarbinol, resolution of, and its salts (PICKARD and KENYON), T., 1115; P., 83.

$C_{12}H_{12}O_2$ Glycol α- and β-ethers (BOYD and MARLE), T., 2135.

$C_{12}H_{12}O_3$ 2:4:5-Trimethylcoumarilic acid (DEY), P., 38.

$C_{12}H_{12}O_6$ 2-Hydroxy-3:5:7-trimethoxy-1:4-benzopyran (WATSON and SEN), T., 398.

$C_{12}H_{12}N_2$ Benzidine, absorption spectra of (PURVIS), T., 597; P., 23.

$C_{12}H_{14}O$ 6-Phenyl-2-methyl-2:3-dihydropyran (FARGHER and PERKIN), T., 1363.

$C_{12}H_{14}O_2$ Ethyl hydrindene-2-carboxylate (KENNER and MATHEWS), T., 746.

β-2-Hydrindylpropionic acid, and its salts (KENNER), T., 2695.

α-Phenylhexane-αε-dione (FARGHER and PERKIN), T., 1365.

$C_{12}H_{16}O_2$ α-Phenylhexan-ε-ol-α-one (FARGHER and PERKIN), T., 1364.

$C_{12}H_{16}O_3$ Glycol 2-methoxy-4-allylphenyl ether (BOYD and MARLE), T., 2135.

$C_{12}H_{18}O_2$ Glycol methyl*iso*propylphenyl ethers (Boyd and Marle), T., 2134.

$C_{12}H_{20}O_4$ Ethyl 1-methyl*cyclo*pentane-2:3-dicarboxylate (Fargher and Perkin), T., 1366.

$C_{12}H_{20}O_7$ Tetramethylmannonic acid (Irvine and Paterson), T., 914; P., 69.

$C_{12}H_{22}O_5$ Ethyl γ-diethoxy-α-dimethylacetoacetate (Dakin and Dudley), T., 2458; P., 108.

$C_{12}H_{22}O_6$ Mannitoldiacetone (Irvine and Paterson), T., 907; P., 69.

$C_{12}H_{22}O_{11}$ Maltose, action of hydrochloric acid on (Daish), T., 2053, 2065; P., 225, 226.

Sucrose, inversion of, by acids, in water–alcohol solution (Burrows), T., 1260; P., 9.

$C_{12}H_{20}O_6$ Tetramethylethyl mannitol (Irvine and Paterson), T., 922; P., 69.

12 III

$C_{12}H_{10}ON_2$ Azoxybenzene, absorption spectra of (Purvis), T., 595; P., 23; miscibility of azobenzene with (Hartley and Stuart), T., 309; P., 13.

$C_{12}H_{10}O_2S$ 1:2-Dihydroxy-4-acetylthiolnaphthalene (Ghosh and Smiles), T., 1398.

$C_{12}H_{11}O_4N$ α-Cyano-2:3-dimethoxycinnamic acid (Perkin, Robinson, and Chou), T., 2380.

$C_{12}H_{11}O_5N$ 1:3:4-Triketo-6:7-dimethoxy-2-methyl-1:2:3:4-tetrahydro*iso*quinoline (Mason and Perkin), T., 2020.

$C_{12}H_{10}ClBi$ Diphenylchlorobismuthine (Challenger and Allpress), P., 292.

$C_{12}H_{11}O_2N$ 6:7-Methylenedioxy-2:3-dimethylquinoline, and its salts (Foulds and Robinson), T., 1968.

$C_{12}H_{11}O_3N$ 7:8-Dimethoxy*iso*carbostyrilcarboxylic acid (Bain, Perkin, and Robinson), T., 2398.

$C_{13}H_{12}ON_2$ Diphenylcarbamides, absorption spectra of (Purvis), T., 1373; P., 141.

$C_{12}H_{12}O_2Si$ Diphenylsilicanediol, condensation products of (Kipping and Robison), T., 484.

$C_{13}H_{12}N_2S$ Diphenylthiocarbamide, absorption spectra of (Purvis), T., 1373; P., 141.

$C_{12}H_{12}N_2S_3$ Trithioaniline, and its salts (Hodgson and Dix), T., 954; P., 82.

$C_{12}H_{12}N_2Se_2$ Aminophenyl diselenide (Pyman), P., 302.

$C_{12}H_{13}ON_3$ 4-Benzoylamino-3:5-dimethylpyrazole (Morgan and Reilly), T., 438.

$C_{12}H_{13}O_2N$ 6:7-Dimethoxy-*N*-methyl*iso*quinoline, salts of (Mason and Perkin), T., 2017.

$C_{12}H_{13}O_3N$ 6-Acetylaminosafrole (Foulds and Robinson), T., 1967; P., 221.

$C_{12}H_{13}O_3N_3$ Piperonylideneacetonesemicarbazones, and their hydrochlorides (Wilson, Heilbron, and Sutherland), T., 2895.

Diacetyl derivative of phenylglyoxalhydrazoxime (Dey), T., 1044; P., 79.

$C_{12}H_{13}O_4N$ *d*-Dimethoxysuccinanil (Young), T., 1233.

$C_{12}H_{13}O_5N$ 3:4-Dimethoxy-6-phthalimidine-1-carboxylic acid (Mason and Perkin), T., 2019.

Diacetylvanillinoxime (Brady and Dunn), T., 2415.

Ethyl *o*-nitro-*p*-toluoylacetate, and its metallic salts (Duff), T., 2185; P., 230.

$C_{12}H_{13}O_6N$ 3:4-Dimethoxy-6-methylcarbamylphenylglyoxylic acid (+ $2H_2O$) (Mason and Perkin), T., 2018.

$C_{12}H_{14}O_2N_2$ 4-(4′:5′-Dimethoxy-*o*-tolyl)glyoxaline, and its salts (STEPHEN and WEIZMANN), T., 1056 ; P., 72.

$C_{12}H_{15}OBr$ ε-Bromo-α-phenylhexan-α-one (FARGHER and PERKIN), T., 1364.

$C_{12}H_{15}O_2N$ 2-Hydrindylurethane (KENNER and MATHEWS), T., 746.

$C_{12}H_{15}O_5N$ *d*-Dimethoxysuccinanilic acid (YOUNG), T., 1232.

$C_{12}H_{16}O_2N_2$ Dioxime of α-phenylhexane-αε-dione (FARGHER and PERKIN), T., 1365.

$C_{12}H_{17}O_2N$ *d*-Ethyl-1-methyl-Δ^{2}- and -Δ^{3}-*cyclo*hexene-3-cyanoacetates (HAWORTH and FYFE), T., 1664.

$C_{12}H_{17}O_5N$ Mannoseanilide (IRVINE and HYND), T., 709.

$C_{12}H_{19}O_2N_3$ Acetyl derivatives of camphorquinonehydrazoximes (FORSTER and KUNZ), T., 1723.

$C_{12}H_{19}O_3N$ Methyl glucoseanilide (IRVINE and HOGG), T., 1394 ; P., 146.

$C_{12}H_{19}O_6N$ Ethyl glycylmethylenemalonate (LEVY), T., 29.

$C_{12}H_{20}ON_2$ Acetyl derivative of camphorhydrazone (FORSTER and KUNZ), T., 1732.

$C_{12}H_{21}O_2Cl$ Menthyl chloroacetate, preparation and rotation of (FRANKLAND and BARROW), T., 990 ; P., 84.

$C_{12}H_{24}ON_2$ *as*-Diamyloxamide (ATKINSON), T., 1295 ; P., 82.

Piperidine-1-carboxyldipropylamide (ATKINSON), T., 1294 ; P., 82.

$C_{12}H_{25}O_2N$ λ-Aminolauric acid, and its salts (LE SUEUR and WITHERS), T., 2318.

$C_{12}H_{30}O_6Si_2$ Hexaethoxysilico-ethane (MARTIN), T., 2871.

12 IV

$C_{12}H_4O_{12}N_6Se$ Picryl selenide (TWISS), T., 1676.

$C_{12}H_6O_8N_4Se_2$ 2:4-Dinitrophenyl diselenide (TWISS), T., 1677.

$C_{12}H_6O_8N_4Se$ 2:4-Dinitrophenyl selenide (TWISS), T., 1677.

$C_{12}H_9ON_2I$ 4-*p*-Iodobenzeneazophenol (CHATTAWAY and CONSTABLE), T., 128.

$C_{12}H_9O_4NCl_6$ β-Trichloro-α-(β′-trichloro-α′-hydroxyethoxy)-propionobenzamide (CROWTHER, MCCOMBIE, and READE), T., 942 ; P., 58.

$C_{12}H_{14}O_2N_2S$ 2-Thiol-4-(4′:5′-dimethoxy-*o*-tolyl) glyoxaline, and its platinichloride (STEPHEN and WEIZMANN), T., 1055 ; P., 72.

$C_{12}H_{14}O_2N_2Se$ 2-Selenomercaptan-4-(4′:5′-dimethoxy-*o*-tolyl)glyoxaline, and its platinichloride (STEPHEN and WEIZMANN), T., 1057 ; P., 72.

$C_{12}H_{17}ONBr_2$ Substance, from ethylation of 2:6-dibromo-*p*-aminophenol (MELDOLA and HOLLELY), T., 1473.

$C_{12}H_{18}O_2NCl$ *N*-Chloroaceto-aminocamphor (FORSTER and SCHLAEPFER), T., 2775.

$C_{12}H_{22}O_8Cl_8P_2$ Bisdichloro-*n*- and -phosphoric acids, and their calcium salts (KING and PYMAN), T., 1247 ; P., 103.

$C_{12}H_{22}O_8Br_8P_2$ Bis-βγ-dibromo*iso*propylphosphoric acid, and its calcium salt (KING and PYMAN), T., 1259 ; P., 103.

$C_{12}H_{22}O_{44}P_{10}Ca_7Mg$ Phytin, preparation and analysis of (CLARKE), T., 535 ; P., 32.

C_{13} Group.

$C_{13}H_{12}$ Diphenylmethane, absorption spectra of (PURVIS), T., 591 ; P., 23.

$C_{13}H_{14}$ Benzo-$\Delta^{3:10(11)}$-nor-*p*-menthadiene (KAY and MORTON), T., 1580.

$C_{13}H_{16}$ Benzo-$\Delta^{10\ (4)\ or\ (11)}$-nor-*p*-menthenes (KAY and MORTON), T., 1576.

13 II

$C_{13}H_{10}O_2$ Phenyl benzoate, velocity of saponification of (MCCOMBIE and SCARBOROUGH), T., 1304 ; P., 107.

$C_{13}H_{12}O$ Phenyl benzyl ether, preparation of (PEACOCK), P., 247; absorption spectra of (PURVIS), T., 592.

$C_{13}H_{12}O_5$ Ethyl-8-methoxycoumarin-3-carboxylate (PERKIN, ROBINSON, and CHOU), T., 2381.

$C_{13}H_{14}O_3$ 6-Phenyl-2-methyl-2:3-dihydro-1:4-pyran-5-carboxylic acid (FARGHER and PERKIN), T., 1363.

$C_{13}H_{11}O_4$ 2-Hydrindylmethylmalonic acid, and its salts (KENNER), T., 2695.

$C_{13}H_{14}O_6$ 2:3-Dimethoxyphenylparaconic acid (PERKIN, ROBINSON, and CARDWELL), T., 2391.

$C_{13}H_{14}N_2$ Phenylbenzylhydrazine, hydroferrocyanide of (SINGH), T., 1979.

$C_{13}H_{16}O$ Benzo-Δ^3-nor-*p*-menthen-10-ol (KAY and MORTON), T., 1579.

$C_{13}H_{16}O_2$ Ethyl tetrahydro-α-naphthoate (KAY and MORTON), T., 1572.

$C_{13}H_{16}O_6$ Benzylidenemannose (IRVINE and HYND), T., 708.

$C_{13}H_{18}O$ Benzonor-*p*-menthan-10-ol (KAY and MORTON), T., 1575.

$C_{13}H_{20}O_6$ Ethyl *cis-cyclo*butane-1:2:3-tricarboxylate (GOLDSWORTHY and PERKIN), T., 2670.

$C_{13}H_{20}O_7$ Ethyl oxalylmethylsuccinate (HAWORTH and KING), T., 1348.

$C_{13}H_{24}O_5$ Ethyl γ-diethoxy-α-methyl-α-ethylacetoacetate (DAKIN and DUDLEY), T., 2459; P., 108.

Ethyl γ-diethoxy-α-*iso*propylacetoacetic acid (DAKIN and DUDLEY), T., 2460; P., 108.

$C_{13}H_{26}O_6$ γδεζ-Tetramethylmannitolacetone (IRVINE and PATERSON), T., 911; P., 69.

13 III

$C_{13}H_7N_2Cl_3$ 3:5:7-Trichloro-2-phenylindazole (KENNER and CURTIS), T., 2737; P., 174.

$C_{13}H_5O_5N_4$ 5:7-Dinitro-3-keto-2-phenyl-1:3-dihydroindazole, and its salts (KENNER and CURTIS), T., 2733; P., 174.

$C_{13}H_{10}O_3N_2$ *o*-Nitrobenzylideneaminophenols (SENIER and CLARKE), T., 1920.

$C_{13}H_{10}NCl_3$ Benzylidene-*o*-chloroaniline dichloride (JAMES and JUDD), T., 1430.

$C_{13}H_{10}NBi$ Diphenylcyanobismuthine (CHALLENGER and ALLPRESS), P., 292.

$C_{13}H_{11}O_2N_3$ *o*-Nitrobenzylidene *o*-phenylenediamine (SENIER and CLARKE), T., 1924.

$C_{13}H_{11}O_5N_3$ Benzyl*iso*picramic acid (MELDOLA and HOLLELY), T., 1483.

$C_{13}H_{11}NCl_2$ Benzylideneaniline dichloride (JAMES and JUDD), T., 1429.

$C_{13}H_{11}NI_2$ Benzylideneaniline di-iodide (JAMES and JUDD), T., 1435.

$C_{13}H_{11}NI_4$ Benzylideneaniline tetraiodide (JAMES and JUDD), T., 1435.

$C_{13}H_{13}O_4N$ Ethyl 2-imino-8-methoxycoumarin-3-carboxylate (PERKIN, ROBINSON, and CHOU), T., 2381.

$C_{13}H_{13}O_8N$ 6-Nitro-2:3-dimethoxyphenylparaconic acid (PERKIN, ROBINSON, and CARDWELL), T., 2392.

$C_{13}H_{15}O_2Br$ Ethyl α-bromotetrahydro-α-naphthoate (KAY and MORTON), T., 1574.

$C_{13}H_{15}O_4P$ Triphenyl phosphate, absorption spectra of (PURVIS), T., 1377; P., 141.

$C_{13}H_{15}O_7N$ Ethyl 3-nitro-4-methoxyphthalate (CAIN and SIMONSEN), T., 163.

$C_{13}H_{17}O_2N$ *v*-Mandelopiperidide (MCKENZIE, MARTIN, and RULE), T., 1586.

$C_{13}H_{17}O_3N_3$ *cis-p*-Nitro-4-benzoyl-2:6-dimethylpiperazine, and its hydrochloride (POPE and READ), T., 232.

$C_{13}H_{17}O_4N$ Ethyl-2:3-dimethoxybenzylideneaminoacetate (PERKIN, ROBINSON, and CHOU), T., 2383.

$C_{13}H_{18}ON_2$ *cis*-1- and -4-Benzoyl-2:6-dimethylpiperazines, and their salts (POPE and READ), T., 230.

$C_{13}H_{18}O_2N_4$ Dihydrazide of 2-hydrindylmethylmalonic acid (KENNER), T., 2695.

$C_{13}H_{21}ON_3$ *iso*Propylidene derivative of camphorquinonehydrazoxime (FORSTER and KUNZ), T., 1725.

$C_{13}H_{21}O_6N$ Ethyl alanylmethylenemalonate (LEVY), T., 29.

13 IV

$C_{13}H_7O_4N_4Cl$ 3-Chloro-5:7-dinitro-2-phenylindazole (KENNER and CURTIS), T., 2737.

$C_{13}H_9O_2N_2Cl$ *o*-Nitrobenzylidenechloroanilines (SENIER and CLARKE), T., 1919.

o-Nitrosobenzochloroanilides (SENIER and CLARKE), T., 1919.

$C_{13}H_9O_2N_2Br$ *o*-Nitrobenzylidenebromoanilines (SENIER and CLARKE), T., 1920.

$C_{13}H_9O_3N_2I$ *o*-, *m*-, and *p*-Nitrobenzo-*p*-iodoanilides (CHATTAWAY and CONSTABLE), T., 126.

$C_{13}H_9O_4N_3Br_2$ *m*-Nitrobenzylidene-*m*-nitroaniline dibromide (JAMES and JUDD), T., 1435.

$C_{13}H_{10}ONCl$ 4-Hydroxybenzylidenechloroanilines, phototropy and thermotropy of (SENIER and FORSTER), T., 2466.

$C_{13}H_{10}ONBr$ 4-Hydroxybenzylidenebromoanilines, phototropy and thermotropy of (SENIER and FORSTER), T., 2467.

$C_{13}H_{10}ONI$ Benzo-*p*-iodoanilide (CHATTAWAY and CONSTABLE), T., 126.

$C_{13}H_{10}ON_2I_2$ *s*-Di-*p*-iodophenylcarbamide (CHATTAWAY and CONSTABLE), T., 130.

$C_{13}H_{10}O_2N_2Br_2$ Benzylidenenitroaniline dibromides (JAMES and JUDD), T., 1432.

m-Nitrobenzylideneaniline dibromide (JAMES and JUDD), T., 1431.

$C_{13}H_{10}O_2N_3I$ *o*-, *m*-, and *p*-Nitrobenzaldehyde-*p*-iodophenylhydrazones (CHATTAWAY and CONSTABLE), T., 127.

$C_{13}H_{11}O_2N_3S$ 3- and 4-Benzenesulphonyl-3:4-tolylenediazoimides (MORGAN and SCHARFF), T., 120.

$C_{13}H_{12}O_4N_2S$ Benzenesulphonylnitro-*p*-toluidines (MORGAN and SCHARFF), T., 119.

$C_{13}H_{14}O_2N_2S$ 3- and 3-Benzenesulphonyl-3:4-tolylenediamines (MORGAN and SCHARFF), T., 119.

$C_{13}H_{17}ON_2Br$ *cis*-*p*-Bromo-4-benzoyl-2:6-dimethylpiperazine (POPE and READ), T., 232.

$C_{13}H_{17}O_6NS$ Dimethoxy*iso*quinoline methosulphate (MASON and PERKIN), T., 2023.

C_{14} Group.

$C_{14}H_8O_2$ Phenanthraquinone, compound of metallic salts with (KNOX and INNES), T., 1451; P., 159.

$C_{14}H_{10}N_2$ Substance, from glyoxal and benzidine (CAIN and MICKLETHWAIT), T., 1441.

$C_{14}H_{12}O_2$ Benzoin, action of, on acid chlorides (MCCOMBIE and PARKES), T., 1687; P., 185.

$C_{14}H_{15}N_3$ Diaminodimethylcarbazoles (CAIN and MICKLETHWAIT), T., 1449.

$C_{14}H_{16}O_3$ Methyl phenylmethyldihydropyrancarboxylate (FARGHER and PERKIN), T., 1363.

$C_{14}H_{16}O_5$ Ethyl furan-2:5-diacrylate (COOPER and NUTTALL), T., 2224.

$C_{14}H_{16}O_7$ Ethyl opianoylacetate (BAIN, PERKIN, and ROBINSON), T., 2400.

$C_{14}H_{20}O_5$ Phenylethylglyoxalacetal (DAKIN and DUDLEY), T., 2461; P., 108.

$C_{14}H_{22}O_6$ Ethyl *cyclo*pentane-1:2:4-tricarboxylate (GOLDSWORTHY and PERKIN), T., 2672.

$C_{14}H_{22}O_7$ Ethyl oxalyl-*as*-dimethylsuccinate (HAWORTH and KING), T., 1347.

$C_{14}H_{26}O_6$ Dimethylmannitoldiacetone (IRVINE and PATERSON), T., 909; P., 68.

$C_{14}H_{28}O$ $\beta\zeta\zeta\iota$-Tetramethyldecan-ϵ-one (PARRY), P., 299.

14 III

$C_{14}H_9O_2Cl$ 3-Chloro-4-methyl-1:2-α-naphthapyrone (DEY), P., 38.

$C_{14}H_{10}O_4N_2$ *o*-Nitrobenzylideneaminobenzoic acids (SENIER and CLARKE), T., 1922.

$C_{14}H_{11}O_3N$ 4-Hydroxybenzylideneaminobenzoic acids, phototropy and thermotropy of (SENIER and FORSTER), T., 2468.

$C_{14}H_{11}O_6Cl$ Diacetyl derivatives of 3-chlorodihydroxy-4-methylcoumarins (DEY), P., 39.

$C_{14}H_{12}O_2N_2$ β-Acetylbenzeneazophenol (HEWITT, MANN, and POPE), T., 2195.

o-Nitrobenzylidenetoluidines (SENIER and CLARKE), T., 1918.

o-Nitrosobenzotoluidides (SENIER and CLARKE), T., 1918.

$C_{14}H_{12}O_3N_2$ *o*-Nitrobenzylideneanisidines (SENIER and CLARKE), T., 1921.

$C_{14}H_{12}O_6N_4$ 2:4-Dinitro-6-carbomethoxyhydrazobenzene (KENNER and CURTIS), T., 2735; P., 174.

3:5-Dinitro-2-phenylamino-*p*-acetylaminophenol (MELDOLA and HOLLELY), T., 990.

$C_{14}H_{13}ON$ 4-Hydroxybenzylidenetoluidines, phototropy and thermotropy of (SENIER and FORSTER), T., 2464.

$C_{14}H_{13}ON_3$ Benzaldehydephenylsemicarbazone, and its hydrochloride (WILSON, HEILBRON, and SUTHERLAND), T., 2905.

$C_{14}H_{13}O_2N$ 4-Hydroxybenzylideneanisidines, phototropy and thermotropy of (SENIER and FORSTER), T., 2469.

$C_{14}H_{13}O_5N_3$ Benzylmethyl*iso*picramic acid (MELDOLA and HOLLELY), T., 1484.

$C_{14}H_{13}NBr_2$ Benzylidenetoluidine dibromides (JAMES and JUDD), T., 1431.

$C_{14}H_{14}O_2N_2$ Glycol *p*-benzeneazophenyl ether (BOYD and MARLE), T., 2137.

$C_{14}H_{14}O_4N_4$ Dinitrotolidines, isomeric (CAIN and MICKLETHWAIT), T., 1442; P., 147.

$C_{14}H_{14}O_4S_4$ Benzyl tetrasulphoxide (SMYTHE), T., 546; P., 24.

$C_{14}H_{14}O_4P$ Tri-*o*- and -*p*-tolyl phosphates, absorption spectra of (PURVIS), T., 1377; P., 141.

$C_{14}H_{15}O_2N_3$ Nitrotolidine (CAIN and MICKLETHWAIT), T., 1447.

$C_{14}H_{15}O_4N$ Ethyl α-cyano-2:3-dimethoxycinnamate (PERKIN, ROBINSON, and CHOU), T., 2380.

$C_{14}H_{15}O_5N$ Ethyl 7:8-dimethoxy*iso*carbostyril-3-carboxylate (BAIN, PERKIN, and ROBINSON), T., 2398.

$C_{14}H_{15}O_6N$ Ethyl *o*-nitro-*p*-toluoylacetoacetate (DUFF), T., 2183.

$C_{14}H_{15}O_6N$ Methyl 6-nitro-2:3-dimethoxyphenylparaconate (PERKIN, ROBINSON, and CARDWELL), T., 2392.

$C_{14}H_{16}O_2Si$ Dibenzylsilicanediol, and its condensation products (ROBISON and KIPPING), T., 40.

$C_{14}H_{17}O_4N$ *d*-Diethoxysuccinanil (YOUNG), T., 1236.

$C_{14}H_{18}ON_2$ Phenylbenzylmethylazonium hydroxide, salts of, and their resolution (SINGH), T., 1976; P., 136.

$C_{14}H_{18}O_2N_2$ Phenylmethylhydrazone of *cyclo*hexanone-4-carboxylic acid (MILLS and BAIN), T., 70.

$C_{14}H_{18}O_6N_4$ 3:5-Dinitro-2-piperidylaceto-*p*-anisidide (MELDOLA and HOLLELY), T., 988.

$C_{14}H_{19}O_5N$ Benzylidenemethylglucosamine, and its hydrochloride (IRVINE and HYND), T., 705.

d-Diethoxysuccinanilic acid (YOUNG), T., 1236.

$C_{14}H_{21}O_3N_3$ Diacetyl derivative of camphorquinonehydrazoxime (FORSTER and KUNZ), T., 1723.

$C_{14}H_{23}O_2N_3$ Diacetyl derivative of aminocamphorhydrazone (FORSTER and KUNZ), T., 1727.

$C_{11}H_{23}O_6N$ Ethyl dimethylglycylmethylenemalonate (LEVY), T., 31.

Ethyl ethylglycylmethylenemalonate (LEVY), T., 31.

$C_{14}H_{27}O_3N$ Ethyl diamyloxamate (ATKINSON), T., 1295; P., 82.

$C_{14}H_{28}O_2N_2$ Tetrapropyloxamide (ATKINSON), T., 1293; P., 82.

14 IV

$C_{14}H_7O_4NCl_8$ Substance, from 6-keto-5-benzoyl-2:4:7-tri-(trichloromethyl)-1:3:5-dioxazseptan and potassium hydroxide (CROWTHER, MCCOMBIE, and READE), T., 941.

$C_{14}H_8O_3NI$ *p*-Iodophthalanil, preparation of (CHATTAWAY and CONSTABLE), T., 127.

$C_{11}H_5O_4NCl_9$ 6-Keto-5-benzoyl-2:4:7-tri-(trichloromethyl)-1:3:5-dioxazseptan (CROWTHER, MCCOMBIE, and READE), T., 940.

$C_{11}H_{11}O_5NCl_6$ Acetyl derivative of β-trichloro-α-(β′-trichloro-α′-hydroxyethoxy)-propionobenzamide (CROWTHER, MCCOMBIE, and READE), T., 943.

$C_{14}H_{12}ONI$ Phenylaceto-*p*-iodoanilide (CHATTAWAY and CONSTABLE), T., 127.

14 V

$C_{14}H_7O_4NCl_2Br_6$ Substance, from 2-keto-5-benzoyl-7-trichloromethyl-2:4-di(tribromomethyl)-1:3:5-dioxazseptan and potassium hydroxide (CROWTHER, MCCOMBIE, and READE), T., 946.

$C_{14}H_8O_4NCl_3Br_6$ 6-Keto-5-benzoyl-7-trichloromethyl-2:4-di-(tribromomethyl)-1:3:5-dioxazseptan (CROWTHER, MCCOMBIE, and READE), T., 945.

C_{15} Group.

$C_{15}H_8O_4$ Alizarin α-methyl ether (OESCH and PERKIN), P., 213.

$C_{15}H_{10}O_7$ Quercetin, salts of (WATSON and SEN), T., 385.

$C_{15}H_{12}O$ Phenyl styryl ketone, action of magnesium phenyl bromide on derivatives of (MACLEAN and WIDDOWS), T., 2169; P., 222.

$C_{15}H_{12}O_7$ 3:4:5:7-Tetrahydroxy-2-*m*-*p*-dihydroxy-2-phenyl-1:4-benzopyran (WATSON and SEN), T., 395.

$C_{15}H_{14}O$ Methyldeoxybenzoin (MARSHALL), T., 530; P., 13.

$C_{15}H_{14}O_2$ *r*- and *d*-Benzoylbenzylcarbinols (MCKENZIE, MARTIN, and RULE), T., 1589.

Toluoylphenylcarbinols (MCKENZIE, MARTIN, and RULE), T., 1585.

$C_{15}H_{15}N_5$ 3:5-Dimethylpyrazole-4-azo-β-naphthylamine (MORGAN and REILLY), T., 441.

$C_{15}H_{18}O_3$ Ethyl phenylmethyldihydropyrancarboxylate (FARGHER and PERKIN), T., 1363.

$C_{15}H_{16}O_4$ Ethyl hydrindene-2:2-dicarboxylate, reduction products of (KENNER), T., 2685; P., 244.

$C_{15}H_{22}O_8$ Ethyl dicarboxyglutaconate, action of amino-acid esters on (LEVY), T., 27.

$C_{15}H_{24}O_6$ Ethyl *cyclo*hexane-1:2:4-tricarboxylate (GOLDSWORTHY and PERKIN), T., 2674.

$C_{15}H_{24}O_7$ Ethyl β-methylpentan-δ-one-βεε-tricarboxylate (HAWORTH and KING), T., 1348.

$C_{15}H_{26}O_6$ Mannitoltriacetone, constitution of (IRVINE and PALMER), T., 898; P., 68.

15 III

$C_{15}H_{10}O_{10}S$ Quercetinsulphonic acid ($+4H_2O$), and its sodium salt (WATSON and SEN), T., 393.

$C_{15}H_{11}O_7N$ 6′-Aminoquercetin and its salts (WATSON), T., 343.

$C_{15}H_{12}O_2N_2$ Cinnamylidene-*m*-nitroaniline (JAMES and JUDD), T., 1434.

$C_{15}H_{12}NCl$ Cinnamylidene-*p*-chloroaniline (JAMES and JUDD), T., 1430.

$C_{15}H_{12}NCl_3$ Cinnamylidene-*p*-chloroaniline dichloride (JAMES and JUDD), T., 1430.

$C_{15}H_{12}NBr$ Cinnamylidene-*m*-bromoaniline (JAMES and JUDD), T., 1434.

$C_{15}H_{12}NBr_3$ Cinnamylidene-*m*-bromoaniline dibromide (JAMES and JUDD), T., 1434.

$C_{15}H_{13}ON_3$ Acetophenonephenylsemicarbazone, and its hydrochloride (WILSON, HEILBRON, and SUTHERLAND), T., 2904.

$C_{15}H_{13}ON_3$ Benzylidene derivative of phenylglyoxalhydrazoxime (DEY), T., 1044; P., 79.

$C_{15}H_{13}O_2N$ Benzo-*o*- and -*p*-toluamides (TITHERLEY and STUBBS), T., 303; P., 12.

$C_{15}H_{13}O_2N_3$ Benzoyl derivative of phenylglyoxalhydrazoxime (DEY), T., 1044; P., 79.

$C_{15}H_{13}O_3N$ α-Benzoyloxyphenylacetamide (G. M. and R. ROBINSON), T., 1465.

$C_{15}H_{13}O_4N$ Carbanilinovanillin (BRADY and DUNN), T., 2416.

$C_{15}H_{13}O_5N$ Glycol phenyl ether *p*-nitrobenzoate (BOYD and MARLE), T., 2133.

$C_{15}H_{13}O_7N_5$ 3:5-Dinitro-2-*N*-nitrosophenylaminoaceto-*p*-anisidide (MELDOLA and HOLLELY), T., 984.

$C_{15}H_{13}NI_2$ Cinnamylideneaniline di-iodide (JAMES and JUDD), T., 1436.

$C_{15}H_{13}N_2I$ Cinnamaldehyde-*p*-iodophenylhydrazone (CHATTAWAY and CONSTABLE), T., 128.

$C_{15}H_{14}ON_2$ *o*- and *p*-Toluoylbenzamidines (TITHERLEY and STUBBS), T., 302; P., 12.

$C_{15}H_{14}ON_4$ 3:5-Dimethylpyrazole-4-azo-β-naphthol (MORGAN and REILLY), T., 440.

$C_{15}H_{14}OBr_2$ Methyldeoxybenzoin dibromide (MARSHALL), T., 531.

$C_{15}H_{14}O_2N_2$ *p*-Acetylbenzeneazo-*p*-cresol (HEWITT, MANN, and POPE), T., 2197.

o-Nitrobenzylidenexylidines (SENIER and CLARKE), T., 1923.

$C_{15}H_{14}O_2N_4$ Phenylcarbamylhydrazone of oximinoacetophenone (DEY), T., 1045; P., 79.

$C_{15}H_{14}O_6N_4$ 3:5-Dinitro-2-phenylaminoaceto-*p*-anisidide, isomeric forms of (MELDOLA and HOLLELY), T., 983; P., 85.

$C_{15}H_{15}ON$ 4-Hydroxybenzylidenexylidines, phototropy and thermotropy of (SENIER and FORSTER), T., 2465.

$C_{15}H_{15}O_5N_3$ Benzylethyl*iso*picramic acid (MELDOLA and HOLLELY), T., 1485.

2:6-Dinitro-4-benzyldimethylammonium-1-benzoquinone (MELDOLA and HOLLELY), T., 1485.

Substance, from methylation of benzyl*iso*picramic acid (MELDOLA and HOLLELY), T., 2083.

$C_{15}H_{16}ON_2$ Dibenzylcarbamide, absorption spectra of (PURVIS), T., 1374; P., 141.

$C_{15}H_{16}O_2N_2$ Propylene glycol benzeneazophenyl ethers (BOYD and MARLE), T., 2137.

$C_{15}H_{17}ON$ β-Hydroxy-αβ-diphenylethylmethylamine, and its platinichloride (IRVINE and FYFE), T., 1651; P., 180.

β-Methoxy-αβ-diphenylethylamine, and its platinichloride (IRVINE and FYFE), T., 1654; P., 180.

$C_{15}H_{21}O_6Sc$ Scandium acetylacetone (MORGAN and MOSS), T., 197.

$C_{15}H_{23}O_4N$ 2:3-Dimethoxybenzylideneaminoacetal (PERKIN, ROBINSON, and CHOU), T., 2382.

$C_{15}H_{24}O_2N_2$ Base, from aspidospermine and chromic acid (EWINS), T., 2748; P., 259.

15 IV

$C_{15}H_{12}O_2N_2Br_2$ Cinnamylidene-*m*-nitroaniline dibromide (JAMES and JUDD), T., 1434.

$C_{15}H_{12}O_2N_2I_2$ *s*-Di-*p*-iodomalonanilide (CHATTAWAY and CONSTABLE), T., 129.

$C_{15}H_{12}O_5NCl$ Glycol chlorophenyl ethers *p*-nitrobenzoates (BOYD and MARLE), T., 2136.

C_{16} Group.

$C_{16}H_6O_6$ Anhydride of diphenyl 2:3:2′:3′-tetracarboxylic acid (KENNER and MATHEWS), T., 2479.

$C_{16}H_{10}O_8$ Diphenyl 2:3:2′:3′- and 3:4:3′:4′-tetracarboxylic acids (KENNER and MATHEWS), T., 2478; P., 242.

$C_{16}H_{12}O_3$ Hydroxydimethylanthraquinone (BRADBURY and WEIZMANN), T., 2751; P., 259.

$C_{16}H_{12}O_4$ Dimethylalizarins (BRADBURY and WEIZMANN), T., 2750; P., 259.

$C_{16}H_{12}O_5$ Carajuretin (PERKIN), P., 212.

$C_{16}H_{14}O_4$ *d*-Diphenylsuccinic acid, formation of, from *l*-phenylchloroacetic acid (MCKENZIE, DREW, and MARTIN), P., 304.

$C_{16}H_{14}O_5$ Dihydroxy-2-xyloylbenzoic acid (BRADBURY and WEIZMANN), T., 2749; P., 259.

$C_{16}H_{14}N_2$ Substance, from glyoxal and tolidine (CAIN and MICKLETHWAIT), T., 1441.

$C_{16}H_{15}N$ Cinnamylidene-*o*-toluidine (JAMES and JUDD), T., 1433.

$C_{16}H_{18}N_2$ Phenylhydrazone from ketone from benzaldehyde and magnesium dimethylcarbinyl iodide (MARSHALL), T., 532.

$C_{16}H_{22}O_7$ Ethyl 2:6-dicarbethoxy-$\Delta^{2:5}$-*cyclo*hexadien-5-ol-1-acetate, and its copper salt (CURTIS and KENNER), T., 288.

$C_{16}H_{23}N_3$ Aminocamphorphenylhydrazone, and its hydrochloride (FORSTER and KUNZ), T., 1728.

$C_{16}H_{28}O_6$ Ethyl *cyclo*heptane-1:2:4-tricarboxylate (GOLDSWORTHY and PERKIN), T., 2676.

16 III

$C_{16}H_{10}O_2N_2$ 5:6-Methylenedioxyindenoquinoxaline (PERKIN, ROBERTS, and ROBINSON), T., 2408.

$C_{16}H_{11}ON$ Phenyl *p*-cyanostyryl ketone (MACLEAN and WIDDOWS), T., 2171.

$C_{16}H_{14}O_2N_4$ Phenylglyoxaloximazine (DEY), T., 1044; P., 79.

$C_{16}H_{11}O_3N_2$ Acetyl derivative of β-acetylbenzeneazophenol (HEWITT, MANN, and POPE), T., 2196.

$C_{16}H_{15}ON_3$ Cinnamaldehydephenylsemicarbazone, and its additive compounds (WILSON, HEILBRON, and SUTHERLAND), T., 2899.

$C_{16}H_{15}O_2N$ Benzoyl derivative of 2-hydrindamine (KENNER and MATHEWS), T., 747.

$C_{16}H_{15}O_5N$ Glycol tolyl ether *p*-nitrobenzoates (BOYD and MARLE), T., 2133.

$C_{16}H_{15}O_6N$ Glycol *o*-methoxyphenyl ether *p*-nitrobenzoate (BOYD and MARLE), T., 2135.

$C_{16}H_{15}NBr_2$ Cinnamylidenetoluidine dibromides (JAMES and JUDD), T., 1433.

$C_{16}H_{16}O_2N_2$ *as*-Dibenzyloxamide (ATKINSON), T., 1290.

o-Nitrobenzylidene-ψ-cumidine (SENIER and CLARKE), T., 1924.

$C_{16}H_{16}O_5N_4$ Dinitroacetyltolidine (CAIN and MICKLETHWAIT), T., 1449.

$C_{16}H_{16}O_6N_4$ 3:5-Dinitro-2-benzylaminoaceto-*p*-anisidide (MELDOLA and HOLLELY), T., 985.

2:3-Dinitro-2-*p*-tolylaminoaceto-*p*-anisidide (MELDOLA and HOLLELY), T., 986.

$C_{16}H_{16}N_2S$ Phenylthiocarbamide derivative of 2-hydrindamine (KENNER and MATHEWS), T., 747.

$C_{16}H_{17}O_5N_3$ Carbanilino-*p*-dimethylaminobenz-*anti*- and -*syn*-aldoximes (BRADY and DUNN), T., 2877.

$C_{16}H_{17}O_5N_3$ 2:6-Dinitro-4-benzylmethylaminophenetole (MELDOLA and HOLLELY), T., 1486.

2:6-Dinitro-4-benzylmethylethylammonium-1-benzoquinone (MELDOLA and HOLLELY), T., 2085.

$C_{16}H_{19}ON$ β-Hydroxy-αβ-diphenylethyldimethylamine, and its platinichloride (IRVINE and FYFE), T., 1651; P., 180.

$C_{16}H_{23}ON$ Substance, from chloroaminocamphor and acetone (FORSTER and SCHLAEPFER), T., 2774; P., 260.

$C_{16}H_{27}O_6N$ Ethyl leucylmethylenemalonate (LEVY), T., 31.

16 IV

$C_{16}H_{11}ON_2I$ *p*-Iodobenzeneazo-β-naphthol (CHATTAWAY and CONSTABLE), T., 128.

$C_{16}H_{14}ON_3Br$ Bromocinnamaldehydephenylsemicarbazone, and its hydrochlorides (WILSON, HEILBRON, and SUTHERLAND), T., 2902.

$C_{16}H_{14}O_5NCl$ Propylene glycol chlorophenyl ethers *p*-nitrobenzoates (BOYD and MARLE), T., 2136.

$C_{16}H_{16}O_2N_2Se_2$ Acetylaminophenyl diselenide (PYMAN), P., 302.

$C_{16}H_{20}O_2N_2S$ *cis*-4-Naphthalene-α-sulphonyl-2:6-dimethylpiperazine, and its salts (POPE and READ), T., 233.

$C_{16}H_{21}O_3NS$ Benzenesulphonylamino-camphor and -epicamphor (FORSTER and KUNZ), T., 1730.

$C_{16}H_{28}O_2N_2S$ *cis*-4-*d*-Camphor-β-sulphonyl-2:6-dimethylpiperazine, and its salts (POPE and READ), T., 235.

16 V

$C_{16}H_{16}O_3NClS$ *o*-Chlorotoluene-*p*-sulphonyl derivative of 2-hydrindamine (KENNER and MATHEWS), T., 748.

C_{17} Group.

$C_{17}H_8O_6$ Dibenzylmalonic acid, action of phosphoric oxide on (CUTTS), P., 39.

$C_{17}H_{12}O_4$ Bisfurylidenedimethylpyrone, and its salts (BOON, MCKENZIE, and TROTTER), P., 205.

$C_{17}H_{14}O_3$ Phenyl-*p*-carboxymethylstyryl ketone (MACLEAN and WIDDOWS), T., 2171.

$C_{17}H_{16}O_4$ Ethyl α-benzoyloxyphenylacetate (G. M. and R. ROBINSON), T., 1465.

α-Keto-β-ethylcarbonato-αβ-diphenylethane (MCCOMBIE and PARKES), T., 1689.

$C_{17}H_{22}O$ 1-Naphthyl-*n*-hexylcarbinol, rotation of, and of its esters (KENYON and PICKARD), T., 2644; P., 243.

$C_{17}H_{22}O_4$ Ethyl 2-hydrindylmethylmalonate (KENNER), T., 2695.

$C_{17}H_{24}O_5$ Ethyl γ-diethoxy-α-benzylacetoacetate (DAKIN and DUDLEY), T., 2461; P., 108.

$C_{17}H_{32}O_3$ θ-Ketomargaric acid (LE SUEUR and WITHERS), T., 2806; P., 257.

17 III

$C_{17}H_{10}O_4S$ 4-*o*-Carboxyphenylthiol-β-naphthaquinone (GHOSH and SMILES), T., 1399.

$C_{17}H_{10}O_6N_2$ 2-Phenyl-4-*o*-nitro-*mp*-methylenedioxybenzylideneoxazolone (BAIN, PERKIN, and ROBINSON), T., 2403.

$C_{17}H_{12}O_2N_2$ *o*-Nitrobenzylidenenaphthylamines (SENIER and CLARKE), T., 1923.

$C_{17}H_{12}O_4S$ Dihydroxycarboxyphenylthiolnaphthalenes (GHOSH and SMILES), T., 1399.

$C_{17}H_{12}O_7N_2$ 2-Nitro-3:4-methylenedioxybenzylidenehippuric acid (BAIN, PERKIN, and ROBINSON), T., 2404.

$C_{17}H_{13}ON$ 4-Hydroxybenzylidenenaphthylamines, phototropy and thermotropy of (SENIER and FORSTER), T., 2470.

$C_{17}H_{13}O_6N$ 3-Nitro-4-methoxyphenyl-3:4-methylenedioxystyryl ketone (HARDING), T., 2794.

$C_{17}H_{13}O_9N$ 6′-Nitroquercetin dimethyl ether (WATSON and SEN), T., 392.

$C_{17}H_{13}NBr_2$ Benzylidene-β-naphthylamine dibromide (JAMES and JUDD), T., 1433.

$C_{17}H_{14}O_2N_2$ 5:6-Dimethoxyindenoquinoxaline (PERKIN, ROBERTS, and ROBINSON), T., 2407.

$C_{17}H_{16}O_3N_2$ Acetyl derivative of *p*-acetylbenzeneazo-*p*-cresol (HEWITT, MANN, and POPE), T., 2198.

$C_{17}H_{16}O_7N_4$ 3:5-Dinitro-2-phenylacetylaminoaceto-*p*-anisidide (MELDOLA and HOLLELY), T., 984.

$C_{17}H_{16}O_{12}N_4$ 2:2′:6:6′-Tetranitro-3:3′:4:4′-tetramethoxydiphenylmethane (ROBINSON), P., 253.

$C_{17}H_{17}O_2N$ Phenylurethane of 2-hydroxymethylhydrindene (KENNER), T., 2693.

$C_{17}H_{17}O_5N$ Propylene glycol tolyl ether *p*-nitrobenzoates (BOYD and MARLE), T., 2133.

$C_{17}H_{17}O_7I$ 3:5:7-Trihydroxy-2-*m*-*p*-dihydroxyphenyl-4-ethyl-1:4-benzopyran anhydrohydriodide (WATSON and SEN), T., 398.

$C_{17}H_{18}O_2N_2$ Methylsuccinanilide (MORRELL), T., 1737.

$C_{17}H_{18}O_8N_2$ 6:6′-Dinitro-3:4:3′:4′-tetramethoxydiphenylmethane (ROBINSON), P., 253.

$C_{17}H_{18}N_2S$ 2-Phenylthiocarbamidomethylhydrindene (KENNER), T., 2696.

$C_{17}H_{19}O_5N_3$ 2:6-Dinitro-4-benzylethyl-*p*-phenetidine (MELDOLA and HOLLELY), T., 2081.

$C_{17}H_{20}O_3N_4$ Methyl tetrosazone (GILMOUR), T., 78.

$C_{17}H_{20}O_3N_2$ Phenylhydrazone, from 3:4:5-trimethoxyacetophenone (HARDING), T., 2796.

$C_{17}H_{21}ON$ β-Methoxy-αβ-diphenylethyldimethylamine, and its platinichloride (IRVINE and FYFE), T., 1654; P., 180.

$C_{17}H_{21}ON_3$ Benzylidene derivatives of camphorquinonehydrazoximes (FORSTER and KUNZ), T., 1722.

$C_{17}H_{21}O_2N_3$ Benzoyl derivatives of camphorquinonehydrazoximes (FORSTER and KUNZ), T., 1722.

p-Nitrobenzylidene derivative of camphorhydrazone (FORSTER and KUNZ), T., 1733.

$C_{17}H_{21}O_3N_3$ *p*-Nitrobenzoyl derivative of camphorhydrazone (FORSTER and KUNZ), T., 1732.

$C_{17}H_{21}O_4N$ Camphenilanol *p*-nitrobenzoate (HENDERSON and SUTHERLAND), T., 1716; P., 203.

$C_{17}H_{23}O_3N$ Phenylurethane of 1-*iso*butanol-Δ^1-*cyclo*hexene (HAWORTH, FYFE, and MACKAY), T., 1670.

$C_{17}H_{24}ON_2$ *s*-Phenyloctylcarbamide (LE SUEUR and WITHERS), T., 2809.

$C_{17}H_{24}ON_4$ Aminocamphorphenylsemicarbazone (FORSTER and KUNZ), T., 1729.

$C_{17}H_{28}ON_2$ *cis*-4-*d*-Methylenecamphor-2:6-dimethylpiperazine ($+H_2O$), and its hydrochloride (POPE and READ), T., 241.

Phenyldiamylcarbamide (ATKINSON), T., 1296; P., 82.

$C_{17}H_{33}O_3N$ θ-Ketomargaramide (LE SUEUR and WITHERS), T., 2807.

$C_{17}H_{33}O_3N$ Amides from θ-ketomargaric acid (LE SUEUR and WITHERS), T., 2808.

Oxime of θ-ketomargaric acid (LE SUEUR and WITHERS), T., 2807.

$C_{17}H_{36}ON_2$ Dipropyldiamylcarbamide (ATKINSON), T., 1294; P., 82.

17 IV

$C_{17}H_{13}O_3NS$ 2-*p*-Sulphophenyl-2:3-dihydro-1:2:4-naphtha*iso*triazine (MOORE), P., 183.

$C_{17}H_{20}O_4NCl$ *p*-Nitrobenzoate of camphene chlorohydrin (HENDERSON, HEILBRON, and HOWIE), T., 1369.

$C_{17}H_{23}O_3NS$ Benzenesulphonylmethylaminocamphor (FORSTER and KUNZ), T., 1731.

p-Toluenesulphonylamino-camphor and -epicamphor (FORSTER and KUNZ), T., 1730, 1732.

C_{18} Group.

$C_{18}H_{14}O_4$ 1:3-Diketo-2-*o*-veratrylidenehydrindene (PERKIN, ROBINSON, and ROBERTS), T., 2384.

$C_{18}H_{14}O_5$ 3-Benzoyl-7:8-dimethoxy-*iso*coumarin (BAIN, PERKIN, and ROBINSON), T., 2402; P., 235.

$C_{18}H_{14}O_8$ 2:2′-Carbomethoxydiphenyl-3:3′-dicarboxylic acid (KENNER and MATHEWS), T., 2479.

$C_{18}H_{15}P$ Triphenylphosphine, absorption spectra of (PURVIS), T., 1378; P., 141.

$C_{18}H_{16}O_3$ Benzylidene derivative of 4:5-dimethoxy-1-hydrindone (PERKIN, ROBINSON, and ROBERTS), T., 2388

Phenyl *p*-carboxyethylstyryl ketone (MACLEAN and WIDDOWS), T., 2172

$C_{18}H_{16}O_4$ Tetrahydro-2-naphthol, optical dispersion of, and of its esters (KENYON and PICKARD), T., 2677; P., 262.

$C_{18}H_{16}O_5$ Carajurin, and its salts (PERKIN), P., 212.

$C_{18}H_{16}O_6$ ω-Opianoylacetophenone (BAIN, PERKIN, and ROBINSON), T., 2400; P., 235.

6-Phenylglyoxylmethyl-*o*-veratric acid (BAIN, PERKIN, and ROBINSON), T., 2402.

$C_{18}H_{18}O_4$ 2:3:6:7-Tetramethoxyanthracene (ROBINSON), P., 252.

$C_{18}H_{20}O_4$ 2:3:6:7-Tetramethoxydihydroanthracene (ROBINSON), P., 252.

$C_{18}H_{22}O_4$ Camphenilanol hydrogen phthalate (HENDERSON and SUTHERLAND), T., 1716; P., 203.

$C_{18}H_{26}O_9$ Substance, from condensation of ethyl *as*-dimethylsuccinate and ethyl oxalate (HAWORTH and KING), T., 1347.

$C_{18}H_{30}O_9$ Ethyl β-methylpentan-δ-ol-βδεε-tetracarboxylate (HAWORTH and KING), T., 1349.

$C_{18}H_{32}O_4$ Acids, from α-hydroxy-α-octylsebacic acid (LE SUEUR and WITHERS), T., 2810; P., 257.

$C_{18}H_{34}O_3$ Methyl θ-ketomargarate (LE SUEUR and WITHERS), T., 2806.

$C_{18}H_{34}O_4$ α-Octylsebacic acid, and its silver salt (LE SUEUR and WITHERS), T., 2812; P., 257.

$C_{18}H_{36}O_4$ Dihydroxystearic acid, action of fused potassium hydroxide on (LE SUEUR and WITHERS), T., 2800; P., 257.

18 III

$C_{18}H_{13}O_4N$ 2-Phenyl-4-*o*-carboxymethylbenzylideneoxazolone (BAIN, PERKIN, and ROBINSON), T., 2397; P., 234.

$C_{18}H_{14}O_2N_2$ *p*-Acetylbenzeneazo-α- and -β-naphthols (HEWITT, MANN, and POPE), T., 2199.

6:6′-Dimethylindigotin (DUFF), T., 2186; P., 230.

$C_{18}H_{14}O_6N_2$ 2-Phenyl-4-*o*-nitro-*mp*-dimethoxybenzylideneoxazolone (BAIN, PERKIN, and ROBINSON), T., 2403.

$C_{15}H_{15}O_2N$ 2-Phthaliminomethylhydrindene (KENNER), T., 2696.

$C_{18}H_{15}O_5N$ ω-Phthalimino-3:4-dimethoxyacetophenone, preparation of (STEPHEN and WEIZMANN), T., 1051; P., 71.

$C_{18}H_{15}O_5Br$ ω-Benzoylbromomethylmeconine (BAIN, PERKIN, and ROBINSON), T., 2401; P., 235.

$C_{18}H_{16}O_7N_2$ 2-Nitro-3:4-dimethoxybenzylidenehippuric acid (BAIN, PERKIN, and ROBINSON), T., 2404.

$C_{18}H_{17}O_6N$ ω-Phthalamino-3:4-dimethoxyacetophenone (STEPHEN and WEIZMANN), T., 1051; P., 72.

$C_{18}H_{18}O_3N_2$ Anilide of ethyl anilinomethylenemalonate (LEVY), T., 31.

$C_{18}H_{18}O_6N_4$ Dinitrodiacetyltolidines (CAIN and MICKLETHWAIT), T., 1446.

$C_{18}H_{18}O_7N_4$ Acetyl derivative of 2:3-dinitro-2-*p*-tolylaminoaceto-*p*-anisidide (MELDOLA and HOLLELY), T., 986.

$C_{18}H_{19}O_3N$ Ethyl dibenzyloxamate (ATKINSON), T., 1290.

$C_{18}H_{19}O_4N_3$ Nitrodiacetyltolidine (CAIN and MICKLETHWAIT), T., 1451.

$C_{18}H_{20}O_4N_2$ *r*-Dibenzylaminosuccinic acid and its benzylamine salt (FRANKLAND), T., 2881; P., 260.

Dibenzylamide of racemic acid (FRANKLAND), T., 2882; P., 260.

d-Dimethoxysuccinanilide (YOUNG), T., 1235.

$C_{18}H_{20}O_4N_6$ Bis-*p*-nitrophenylhydrazone of *sec.*-butylglyoxal (DAKIN and DUDLEY), T., 2460.

$C_{18}H_{22}O_3N_2$ Methyl tetrosephenylbenzylhydrazone (GILMOUR), T., 78.

$C_{18}H_{23}ON_3$ Acetyl derivative of aminocamphorphenylhydrazone (FORSTER and KUNZ), T., 1729.

$C_{18}H_{25}O_2N$ Phenylurethanes of *d*-1-methyl-3-*iso*butanol*cyclo*hexenes (HAWORTH and FYFE), T., 1667.

$C_{18}H_{32}O_3N_2$ Semicarbazone of θ-ketomargaric acid (LE SUEUR and WITHERS), T., 2807.

$C_{18}H_{36}O_2N_2$ Diamide of α-octylsebacic acid (LE SUEUR and WITHERS), T., 2813.

18 IV

$C_{18}H_{18}O_3NCl$ Base, from oxidation of cephæline (CARR and PYMAN), T., 1634.

$C_{18}H_{23}O_3NS$ *p*-Toluenesulphonylmethylaminocamphor (FORSTER and KUNZ), T., 1731.

C_{19} Group.

$C_{19}H_{12}O_3$ Resorcinol-benzein, and its salts (POPE), T., 251.

$C_{19}H_{16}O$ Triphenylcarbinol, formation of (COPISAROW), P., 111.

$C_{19}H_{17}N_3$ Triphenylguanidine, absorption spectra of (PURVIS), T., 1374; P., 141.

$C_{19}H_{18}O_4$ Anisylidene derivative of 4:5-dimethoxy-1-hydrindone (PERKIN, ROBINSON, and ROBERTS), T., 2388.

$C_{19}H_{18}O_5$ 2-*o*-Vanillylidene-5:6-dimethoxy-1-hydrindone (PERKIN, ROBINSON, and ROBERTS), T., 2385.

$C_{19}H_{18}O_6$ Trimethoxyphenyl methylenedioxystyryl ketones (HARDING), T., 2796.

$C_{19}H_{36}O_3$ Ethyl θ-ketomargarate (LE SUEUR and WITHERS), T., 2807.

19 III

$C_{19}H_{14}O_2N_2$ *p*-Benzoylbenzeneazophenol (HEWITT, MANN, and POPE) T., 2196.

$C_{19}H_{14}O_7N_2$ 2-Phenyl-4-*o*-nitro-*p*-acetoxy-*m*-methoxybenzylideneoxazolone (BAIN, PERKIN, and ROBINSON), T., 2403.

$C_{19}H_{15}O_2N$ Phenyl diphenylcarbamate, absorption spectra of (PURVIS), T., 1375; P., 141.

$C_{19}H_{15}O_9N$ Phthalaminopiperonylmalonic acid (STEPHEN and WEIZMANN), T., 1154; P., 114.

$C_{19}H_{16}O_7N_2$ Ethyl 2-nitro-3:4-methylenedioxybenzylidenehippurate (BAIN, PERKIN, and ROBINSON), T., 2404.

$C_{19}H_{17}O_5N$ 4:5-Dimethoxy-*o*-tolyl phthaliminomethyl ketone (STEPHEN and WEIZMANN), T., 1052; P., 72.

$C_{19}H_{17}O_8N$ 6-Nitro-2:3:4-trimethoxyacetophenone (HARDING), T., 2798.

Phthalamino-*p*-methoxybenzylmalonic acid (STEPHEN and WEIZMANN), T., 1153; P., 114.

$C_{19}H_{18}O_5N_6$ Substance, from phenylhydrazine and methyl 2-chloro-3:5-dinitrobenzoate (KENNER and CURTIS), T., 2735.

$C_{19}H_{19}ON_3$ Aminomesityleneazo-β-naphthol (MORGAN and REILLY), P., 74.

$C_{19}H_{19}O_2N_3$ 2-β-Naphtholazo-4-trimethylammonium-1-benzoquinone, and its salts (MELDOLA and HOLLELY), T., 1475.

$C_{19}H_{19}O_3N$ Benzylidenehydrocotarnine (G. M. and R. ROBINSON), T., 1463.

$C_{19}H_{19}O_6N$ 4:5-Dimethoxy-*o*-tolyl phthalaminomethyl ketone (STEPHEN and WEIZMANN), T., 1053; P., 72.

$C_{19}H_{20}O_2N_2$ *d*-Anilide of *trans-cyclo*pentane-1:2-dicarboxylic acid (GOLDSWORTHY and PERKIN), T., 2642; P., 262.

$C_{19}H_{20}O_4N_2$ 1-(6-Nitrohomoveratryl)-2-methyl-1:2-dihydro*iso*quinoline (G. M. and R. ROBINSON), T., 1459.

$C_{19}H_{22}ON_2$ Cinchonicine, rotation and refractivity of (Peacock), T., 2782; P., 264, 274.

$C_{19}H_{26}ON_2$ Aspidosine, and its hydriodide (Ewins), T., 2744; P., 258.

$C_{19}H_{29}O_2N$ Menthyl methylanilinoacetate (Frankland and Barrow), T., 990; P., 84.

$C_{19}H_{26}O_9N_3$ Semicarbazone of substance $C_{19}H_{26}O_9$ (Haworth and King), T., 1347.

19 IV

$C_{19}H_{13}O_5NCl_6$ Benzoyl derivative of β-trichloro-α-(β′-trichloro-α′-hydroxyethoxy)propionobenzamide (Crowther, McCombie, and Reade), T., 943.

$C_{19}H_{17}O_4Cl_4Fe$ 8:4′:5′-Trimethoxy-2:3-indeno-1:4-benzopyranol anhydroferrichloride (Perkin, Robinson, and Roberts), T., 2386.

C_{20} Group.

$C_{20}H_8O_5$ Furan-2:5-diacrylic acid (Cooper and Nuttall), T., 2224; P., 228.

$C_{20}H_{14}O_4$ Diphenyl phthalate, absorption spectra of (Purvis), T., 1376; P., 141.

$C_{20}H_{16}O_2$ Triphenylacetic acid, absorption spectra of (Purvis), T., 1377; P., 141.

$C_{20}H_{18}O_8$ Tetramethyl diphenyl-2:3:2′:3′-tetracarboxylate (Kenner and Mathews), T., 2471.

$C_{20}H_{20}O_5$ 2-*o*-Veratrylidene-5:6-dimethoxy-1-hydrindone (Perkin, Robinson, and Roberts), T., 2385.

$C_{20}H_{20}O_7$ Quercetin pentamethyl ether, preparation of, and its salts (Watson), T., 339; dimethyl sulphate of (Watson and Sen), T., 399.

$C_{20}H_{24}O_9$ Ethyl furan-2:5-dimethylenemalonate (Cooper and Nuttall), T., 2221; P., 227.

$C_{20}H_{26}O_{13}$ Substance, from condensation of ethyl *as*-dimethylsuccinate with ethyl oxalate (Haworth and King), T., 1347.

$C_{20}H_{38}O_4$ Methyl α-octylsebacate (Le Sueur and Withers), T., 2812.

20 III

$C_{20}H_{12}OS$ Naphthathioxins, and their salts (Ghosh and Smiles), T., 1741.

$C_{20}H_{12}O_2S$ Hydroxynaphthathioxin (Ghosh and Smiles), T., 1402.

Naphthasulphoniumquinone, action of, with substances containing the thiol group (Ghosh and Smiles), T., 1396; P., 148.

$C_{20}H_{12}O_8N_2$ Catechol, Resorcinol and Quinol di-*p*-nitro benzoates (Gray and Cruikshanks), P., 305.

$C_{20}H_{14}O_4N_4$ Di-*o*-nitrobenzylidenephenylenediamines (Senier and Clarke), T., 1925.

$C_{20}H_{14}O_4S$ 1:2:1′:2′-Tetrahydroxydinaphthyl 4-disulphide (Ghosh and Smiles), T., 1398.

$C_{20}H_{16}O_2N_2$ *p*-Benzoylbenzeneazo-*p*-cresol (Hewitt, Mann, and Pope), T., 2199.

$C_{20}H_{16}O_3N_2$ Acetyl derivative of *p*-acetylbenzeneazo-α-naphthol (Hewitt, Mann, and Pope), T., 2201.

$C_{20}H_{16}N_2S$ Di-β-naphthylamine sulphide (Reeve and Smiles), P., 148.

$C_{20}H_{17}O_5N_3$ Dibenzyl*iso*picramic acid (Meldola and Hollely), T., 1483.

$C_{20}H_{17}O_6N$ 2-Phenyl-4-*o*-carboxymethyl-*mp*-dimethoxybenzylideneoxazolone (Bain, Perkin, and Robinson), T., 2398.

$C_{20}H_{17}O_{13}N_3$ Trinitroquercetin pentamethyl ether (Watson), T., 346.

$C_{20}H_{18}ON_4$ Phenylhydrazone of β-acetylbenzeneazophenol (HEWITT, MANN, and POPE), T., 2196.

$C_{20}H_{18}O_6N_2$ 4:5:4′:5′-Tetramethoxyindigotin (PERKIN, ROBINSON, and ROBERTS), T., 2390; P., 234.

$C_{20}H_{18}O_7N_2$ 6-Nitropiperonylidenehydrocotarnine, and its salts (G. M. and R. ROBINSON), T., 1461.

$C_{20}H_{18}O_8N_2$ 6-Nitropiperonoylhydrocotarnine, and its salts (G. M. and R. ROBINSON), T., 1467.

$C_{20}H_{19}O_7Br_7$ Bromoquercetin pentamethyl ether (WATSON), T., 347; chloride and sulphate of (WATSON and SEN), T., 398.

$C_{20}H_{19}O_9N$ 6′-Nitroquercetin pentamethyl ether (WATSON), T., 540.

$C_{20}H_{20}O_3N_2$ Benzoylphenylhydrazone of *cyclo*hexanone-4-carboxylic acid, and its optically active salts (MILLS and BAIN), T., 68.

$C_{20}H_{21}O_4N_3$ *cis*-1-(or -4)-Benzoyl-*p*-nitro-4-(or -1)-benzoyl-2:6-dimethylpiperazines (POPE and READ), T., 238.

$C_{20}H_{21}O_7N$ 6′-Aminoquercetin pentamethyl ether, and its salts (WATSON), T., 340.

$C_{20}H_{21}O_7Cl$ 4-Chloro-4-hydroxy-3:5:7-trimethoxy-2-*m*-*p*-dimethoxyphenyl-1:4-benzopyran (WATSON and SEN), T., 397.

$C_{20}H_{22}ON_2$ Phenyldibenzylazonium hydroxide, salts of (SINGH), T., 1986.

$C_{20}H_{23}O_5N$ Propylene glycol 3-methyl-6-*iso*propylphenyl ethers *p*-nitrobenzoates (BOYD and MARLE), T., 2132.

$C_{20}H_{24}O_4N_2$ *d*-Diethoxysuccinanilide (YOUNG), T., 1238.

$C_{20}H_{26}O_4N_4$ Nitronitrosodeacetylaspidospermine (EWINS), T., 2747; P., 258.

$C_{20}H_{28}ON_2$ Deacetylaspidospermine, and its hydriodide (EWINS), T., 2745; P., 258.

$C_{20}H_{29}O_5N$ Substance, from oxidation of cephæline (CARR and PYMAN), T., 1636.

$C_{20}H_{30}O_2N_4$ Azocamphanonedioxime (FORSTER and KUNZ), T., 1724.
β-Camphornitrilic hydrazide (FORSTER and KUNZ), T., 1727.

$C_{20}H_{32}O_2N_4$ Bis-*iso*nitrosocamphanazine (FORSTER and KUNZ), T., 1726.

20 IV

$C_{20}H_{10}O_6N_2S$ Dinitronaphthasulphoniumquinone (HUTCHISON and SMILES), T., 1747.

$C_{20}H_{11}OClS$ Chloronaphthathioxin, and its salts (GHOSH and SMILES), T., 1743.

$C_{20}H_{11}O_4NS$ Nitronaphthasulphoniumquinone (HUTCHISON and SMILES), T., 1747; P., 213.

$C_{20}H_{16}ONCl$ Benzylideneaniline benzoyl chloride (JAMES and JUDD), T., 1436.

$C_{20}H_{17}O_9NBr_2$ Dibromonitroquercetin pentamethyl ether (WATSON), T., 348.

$C_{20}H_{19}O_2N_3S$ Benzenesulphonylaminoazotoluenes (MORGAN and COOKE), P., 249.

$C_{20}H_{20}O_5NCl$ Dimethoxy*iso*quinoline veratroyl chloride (MASON and PERKIN), T., 2024.

$C_{20}H_{21}O_2N_2Br$ *cis*-1-(or -4)-Benzoyl-*p*-bromo-4-(or -1)-benzoyl-2:6-dimethylpiperazines (POPE and READ), T., 239.

$C_{20}H_{27}ONCl_2$ Base, from oxidation of cephæline (CARR and PYMAN), T., 1635.

$C_{20}H_{31}O_4NS$ β-Camphorsulphonylaminocamphor (FORSTER and KUNZ), T., 1730.

$C_{20}H_{33}O_4N_3S$ β-Camphorsulphonylaminocamphor dioxime (FORSTER and KUNZ), T., 1731.

20 V

$C_{20}H_{10}O_3NClS$ Chloronitronaphthathioxin (HUTCHISON and SMILES), T., 1748.

C_{21} Group.

$C_{21}H_{14}O_4$ Acetyl derivative of resorcinol-benzein (POPE), T., 258.

$C_{21}H_{16}O_2$ Bisbenzylidenedimethylpyrone, and its salts (BOON, MCKENZIE, and TROTTER), T., 205.

$C_{21}H_{16}O_{10}$ Triacetylquercetin (WATSON and SEN), T., 394.

$C_{21}H_{18}N_2$ *iso*Amarine, reactions of (SNAPE), P., 6.

d- and *l*-*iso*Amarine, rotation of (SNAPE), P., 151.

$C_{21}H_{20}O_2$ *r*-αβ-Dihydroxy-ααγ-triphenylpropane (MCKENZIE, MARTIN, and RULE), T., 1590.

$C_{21}H_{20}O_{11}$ Quercitrin (PERKIN), P., 201.

$C_{21}H_{21}N$ Tribenzylamine, absorption spectra of (PURVIS), T., 1375; P., 141.

$C_{21}H_{22}O_{11}$ Apigenin-*d*-glucoside (+ $2H_2O$) (POWER and BROWNING), T., 1833; P., 210.

$C_{21}H_{40}O_3$ μ-Ketoheneicosoic acid, and its silver salt (LE SUEUR and WITHERS), T., 2815.

21 III

$C_{21}H_{14}O_5S$ 1:2- and 1:4-Diacetoxynaphthathioxanthones (GHOSH and SMILES), T., 1399.

$C_{21}H_{16}O_3N_2$ Acetyl derivative of *p*-benzoylbenzeneazophenol (HEWITT, MANN, and POPE), T., 2196.

Benzoyl derivative of β-acetylbenzeneazophenol (HEWITT, MANN, and POPE), T., 2195.

$C_{21}H_{19}O_5N_3$ 2:6-Dinitro-4-dibenzylaminoanisole (MELDOLA and HOLLELY), T., 2084.

$C_{21}H_{20}ON_4$ Phenylhydrazone of *p*-acetylbenzeneazo-*p*-cresol (HEWITT, MANN, and POPE), T., 2199.

$C_{21}H_{22}O_7N_2$ Substance, from magnesium methyl iodide and gallonitrile trimethyl ether (HARDING), T., 2799.

$C_{21}H_{24}O_3N_2$ *cis*-1-(or -4-)Benzoyl-4-(or -1-)anisoyl-2:6-dimethylpiperazines (POPE and READ), T., 240.

$C_{21}H_{24}O_7N_2$ Anhydrocotarnine-6-nitroveratrole (G. M. and R. ROBINSON), T., 1458.

21 IV

$C_{21}H_{22}ONBr$ Dibenzylmethyl-*p*-aminophenyl bromide (MELDOLA and HOLLELY), T., 1481.

C_{22} Group.

$C_{22}H_{17}Bi$ Diphenyl-α-naphthylbismuthine (CHALLENGER), T., 2217; P., 229.

$C_{22}H_{18}O_3$ Acid, from *p*-carbethoxy-ββ-diphenylpropiophenone (MACLEAN and WIDDOWS), T., 2173; P., 222.

$C_{22}H_{18}O_7$ Anhydrobis-1:2-diketo-5:6-dimethoxyhydrindene (PERKIN, ROBERTS, and ROBINSON), T., 2408.

$C_{22}H_{40}O_3$ Menthyl menthoxyacetic acid (FRANKLAND and BARROW), T., 990; P., 84.

$C_{22}H_{42}O_3$ Methyl μ-ketoheneicosoate (LE SUEUR and WITHERS), T., 2816.

$C_{22}H_{42}O_5$ α-Hydroxy-α-octyldodecanedicarboxylic acid, and its silver salt (LE SUEUR and WITHERS), T., 2815; P., 257.

$C_{22}H_{44}O_4$ Dihydroxybehenic acid, fusion of potassium hydroxide with (LE SUEUR and WITHERS), T., 2800; P., 257.

22 III

$C_{22}H_{14}O_2S_2$ Acetylthiolnaphthathioxin (GHOSH and SMILES), T., 1400.

$C_{22}H_{14}O_3S_2$ Carboxymethylthiolnaphthathioxin (GHOSH and SMILES), T., 1401.

$C_{22}H_{18}O_3N_2$ Acetyl derivative of *p*-benzoylbenzeneazo-*p*-cresol (HEWITT, MANN, and POPE), T., 2199.

Benzoyl derivative of *p*-acetylbenzeneazo-*p*-cresol (HEWITT, MANN, and POPE), T., 2199.

$C_{22}H_{20}O_{14}N_4$ Di-6-nitro-2:3:4-trimethoxybenzoylfuroxan (HARDING, T., 2799.

$C_{22}H_{21}O_2N_3$ Diphenylcarbamyl-*p*-dimethylaminobenz*syn*aldoxime (BRADY and DUNN), T., 2876.

$C_{22}H_{22}O_4N_2$ Dianhydrodihydrastinine (G. M. and R. ROBINSON), T., 1480.

$C_{22}H_{22}O_5N_2$ Anhydrocotarnine-5:6-methylenedioxy-2-methylindole, and its salts (FOULDS and ROBINSON), T., 1970.

$C_{22}H_{22}O_8N_4$ *o*-Dinitrotetra-acetyltolidine (CAIN and MICKLETHWAIT), T., 1446.

$C_{22}H_{22}O_9N_2$ Nitro-β-gnoscopine, and its salts (HOPE and ROBINSON), T., 2089.

$C_{22}H_{23}O_6N_3$ Nitrotetra-acetyltolidine (CAIN and MICKLETHWAIT), T., 1451.

$C_{22}H_{23}O_7N$ β-Gnoscopine, and its salts (HOPE and ROBINSON), T., 2098.

$C_{22}H_{24}O_7N_2$ Amino-β-gnoscopine (HOPE and ROBINSON), T., 2092.

$C_{22}H_{24}O_8Br_2$ Dibromoquercetin pentamethyl ether, and its hydrobromide (WATSON), T., 347.

$C_{24}H_{25}O_7N_3$ Hydrazino-β-gnoscopine (HOPE and ROBINSON), T., 2095.

$C_{22}H_{28}O_6N_2$ Phenylhydrazide of ethyl 2:6-dicarbethoxy-$\Delta^{2:5}$-*cyclo*hexadien-5-ol-1-acetate (CURTIUS and KENNER), T., 289.

$C_{22}H_{30}O_2N_2$ Aspidospermine, constitution of (EWINS), T., 2738; P., 258.

$C_{22}H_{47}O_3N_3$ Semicarbazone of μ ketoheneicosoic acid (LE SUEUR and WITHERS), T., 2816.

22 IV

$C_{22}H_{22}O_7NI$ Iodo-β-gnoscopine (HOPE and ROBINSON), T., 2097.

$C_{22}H_{24}O_8NBr$ Bromonornarceine (HOPE and ROBINSON), T., 2102.

$C_{22}H_{25}O_9NS$ Papaveraldine methosulphate, and its oxidation (MASON and PERKIN), T., 2016.

$C_{22}H_{31}O_4NS$ λ-β-Naphthalenesulphonylaminolauric acid (LE SUEUR and WITHERS), T., 2818.

C_{23} Group.

$C_{23}H_{18}O$ Anhydride of β-1:1-dihydroxydinaphthylpropane, and its picrate (SEN-GUPTA), T., 401.

$C_{23}H_{18}O_5$ 3:6-Dihydroxy-9-phenylxanthen diacetate (POPE), T., 258.

$C_{23}H_{20}O_4$ Bisanisylidenedimethylpyrone, and its salts (POON, MCKENZIE, and TROTTER), P., 205.

$C_{23}H_{44}O_3$ Ethyl μ-ketoheneicosoate (LE SUEUR and WITHERS), T., 2816.

23 III

$C_{23}H_{16}OCl_2$ Dichloro-derivative of β-1:1-dihydroxydinaphthylpropane anhydride (SEN-GUPTA), T., 402.

$C_{23}H_{16}OBr_2$ Dibromo-derivative of β-1:1-dihydroxydinaphthylpropane anhydride (SEN-GUPTA), T., 420.

$C_{23}H_{16}O_2N_2$ *p*-Benzoylbenzeneazo-α- and -β-naphthols (HEWITT, MANN, and POPE), T., 2201.

$C_{23}H_{16}O_5N_2$ Dinitro-derivative of β-1:1-dihydroxydinaphthylpropane anhydride (SEN-GUPTA), T., 402.

$C_{23}H_{17}O_3N$ Nitro-derivative of β-1:1-dihydroxydinaphthylpropane anhydride (SEN-GUPTA), T., 402.

$C_{23}H_{19}O_6N$ 3:5-Dihydroxy-7-keto-4-*p*-dimethylaminophenyl-2-*m*-*p*-dihydroxyphenyl-1:4-benzopyran (WATSON and SEN), T., 396.

$C_{23}H_{19}O_{12}N$ Triacetyl derivative of 6′-nitroquercetin dimethyl ether (WATSON and SEN), T., 393.

$C_{23}H_{20}O_4Br_4$ Bis(αβ-dibromoanisylmethyl) pyrone (BOON, WILSON, and HEILBRON), T., 2181.

$C_{23}H_{21}O_3N_3$ Semicarbazide, from acid $C_{22}H_{18}O_3$ (MACLEAN and WIDDOWS), T., 2173; P., 222.

$C_{23}H_{21}O_8N$ Ethyl phthaliminopiperonylmalonate (STEPHEN and WEIZMANN), T., 1154.

$C_{23}H_{23}ON$ Diphenyl-*p*-dimethylaminostyrylcarbinol (MACLEAN and WIDDOWS), T., 2174; P., 222.

$C_{23}H_{23}O_7N$ Ethyl phthalimino-*p*-methoxybenzylmalonate (STEPHEN and WEIZMANN), T., 1152.

$C_{23}H_{24}O_9N_2$ Anhydrocotarninenitro-α-methylmeconine (HOPE and ROBINSON), T., 2103.

$C_{23}H_{26}O_4N_2$ Brucine, interaction of, with nitric acid, in presence of nitrates (RENNIE and DAWKINS), T., 1487; P., 71.

Salt of, with methyl tetronic acid (GILMOUR), T., 80.

$C_{23}H_{26}O_{10}N_2$ Nitronarceine (HOPE and ROBINSON), T., 2091.

$C_{23}H_{27}ON_3$ Benzoyl derivative of aminocamphorphenylhydrazone (FORSTER and KUNZ), T., 1729.

$C_{23}H_{37}O_2N$ θ-Ketomargaranilide (LE SUEUR and WITHERS), T., 2807.

23 IV

$C_{23}H_{29}O_2N_3S$ *p*-Toluenesulphonyl derivative of aminocamphorphenylhydrazone (FORSTER and KUNZ), T., 1729.

C_{24} Group.

$C_{24}H_{20}O$ Anhydride of β-1:1-dihydroxydinaphthylbutane, and its picrate (SEN-GUPTA), T., 403.

$C_{24}H_{20}O_6$ Tribenzoin, absorption spectra of (PURVIS), T., 1376; P., 141.

$C_{24}H_{20}Si$ Tetraphenylsilicane, absorption spectra of (PURVIS), T., 1378; P., 141.

$C_{24}H_{22}O_3$ *p*-Carbethoxy-ββ-diphenylpropiophenone (MACLEAN and WIDDOWS), T., 2172; P., 222.

24 III

$C_{24}H_{15}O_6Cl$ Dibenzoyl derivatives of 3-chlorodihydroxy-4-methylcoumarins (DEY), P., 39.

$C_{24}H_{18}OCl_2$ Dichloro-derivative of β-1:1-dihydroxydinaphthylbutane anhydride (SEN-GUPTA), T., 403.

$C_{24}H_{18}OBr_2$ Dibromo-derivative of β-1:1-dihydroxydinaphthylbutane anhydride (SEN-GUPTA), T., 403.

$C_{24}H_{18}O_5N_2$ Dinitro-derivative of β-1:1-dihydroxydinaphthylbutane anhydride (SEN-GUPTA), T., 403.

$C_{24}H_{20}ON_4$ Phenylhydrazone of *p*-acetylbenzeneazo-β-naphthol (HEWITT, MANN, and POPE), T., 2203.

$C_{24}H_{24}N_2S$ Dimethyl-β-naphthylamine sulphide (REEVE and SMILES), P., 147.

$C_{24}H_{25}O_9N$ 6′-Diacetylaminoquercetin pentamethyl ether (WATSON), T., 341.

$C_{24}H_{26}O_8N_2$ Acetylamino-β-gnoscopine (HOPE and ROBINSON), T., 2092.

$C_{24}H_{27}O_3N_5$ Phenylcarbaminophenylurethanes of camphorquinonehydrazoximes (FORSTER and KUNZ), T., 1722.

$C_{24}H_{27}O_4N_5$ Di-*p*-nitrobenzylidene derivative of aminocamphorhydrazone (FORSTER and KUNZ), T., 1727.

$C_{24}H_{32}O_2N_2$ *cis*-Benzoyl-*d*-methyleneamphor-2:6-dimethylpiperazines (POPE and READ), T., 240.

24 IV

$C_{24}H_{31}O_4N_3S$ Di-*p*-toluenesulphonyl derivative of aminocamphorhydrazone (FORSTER and KUNZ), T., 1727.

C_{25} Group.

$C_{25}H_{22}O$ Anhydrides of β- and γ-1:1-dihydroxydinaphthylpentanes (SEN-GUPTA), T., 404.

$C_{25}H_{28}O_{12}$ Dibenzoylglucoxylose (+ H_2O) (POWER and SALWAY), T., 772, 1062; P., 66, 109.

*iso*Dibenzoylglucoxylose (TUTIN), P., 302.

$C_{25}H_{38}O_6$ Benzoyl derivative of α-hydroxy-α-octylsebacic acid (LE SUEUR and WITHERS), T., 2805.

25 III

$C_{25}H_{18}O_3N_2$ Acetyl derivative of *p*-benzoylbenzeneazo-α-naphthol (HEWITT, MANN, and POPE), T., 2201.

Benzoyl derivative of *p*-acetylbenzeneazo-α-naphthol (HEWITT, MANN, and POPE), T., 2201.

$C_{25}H_{20}OCl_2$ Dichloro-derivatives of β- and γ 1:1-dihydroxydinaphthylpentane anhydrides (SEN-GUPTA), T., 404.

$C_{25}H_{20}OBr_2$ Dibromo-derivatives of β- and γ-dihydroxydinaphthylpentane anhydrides (SEN-GUPTA), T., 404.

$C_{25}H_{20}O_5N_2$ Dinitro-derivatives of β- and γ-1:1-dihydroxydinaphthylpentane anhydrides (SEN-GUPTA), T., 404.

$C_{25}H_{23}O_3N_3$ Trianilide of *trans-cyclo*butane-1:2:3-tricarboxylic acid (GOLDSWORTHY and PERKIN), T., 2671.

$C_{25}H_{23}O_7N_5$ Picrylcinchonicine (PEACOCK), P., 275.

$C_{25}H_{27}O_2N$ Phenyl *p*-dimethylaminostyryl ketone (MACLEAN and WIDDOWS), T., 2173.

$C_{25}H_{29}O_7N_3$ *iso*-Propylidenehydrazo-β-gnoscopine (HOPE and ROBINSON), T., 2096.

$C_{25}H_{32}O_4N_2$ Noremetine and its hydrochloride (CARR and PYMAN), T., 1616.

$C_{25}H_{37}O_8N$ *m*-Nitrobenzoyl derivative of α-hydroxy-α-octylsebacic acid (LE SUEUR and WITHERS), T., 2805.

C_{26} Group.

$C_{26}H_{18}N_2$ Substance from benzil and benzidine (CAIN and MICKLETHWAIT), T., 1440.

$C_{26}H_{22}O$ Anhydride of 1:1-dihydroxydinaphthyl*cyclo*hexane (SEN-GUPTA), 409.

$C_{26}H_{42}O_3$ Sarsasapogenin (POWER and SALWAY), T., 215.

26 III

$C_{26}H_{18}O_3N_2$ Benzoyl derivative of *p*-benzoylbenzeneazophenol (HEWITT MANN, and POPE), T., 2196.

$C_{26}H_{18}O_{24}N_4$ Di-*o*-nitrobenzylidenebenzidene (SENIER and CLARKE), T., 1924.

$C_{26}H_{25}O_4N_3$ *m*-Nitrobenzoylcinchonicine (PEACOCK), P., 274.

$C_{26}H_{28}O_9N_2$ Succinimino-β-gnoscopine (HOPE and ROBINSON), T., 2093.

26 IV

$C_{26}H_{17}O_3N_3S$ Phenylhydrazone of nitronaphthasulphonium-quinone (HUTCHISON and SMILES), T., 1747 ; P., 213.

$C_{26}H_{20}O_2N_2S_3$ Benzoyl derivative of trithioaniline (HODGSON and DIX), T., 956.

$C_{26}H_{28}O_4N_2S$ *cis*- and *trans*-1:4-Dinaphthalene-α-sulphonyldimethylpiperazines (POPE and READ), T., 245.

$C_{26}H_{28}O_3N_2S$ *p*-Toluenesulphonylcinchonicine (PEACOCK), P., 275.

C_{27} Group.

$C_{27}H_{24}O$ Anhydride from α-naphthol and 1-methyl*cyclo*hexan-3-one (SEN-GUPTA), T., 409.

$C_{27}H_{46}O$ Cholesterol, unstable compounds of barium methoxide and (NEWBERY), T., 380 ; P., 5.

27 III

$C_{27}H_{20}O_3N_2$ Benzoyl derivative of *p*-benzoylbenzeneazo-*p*-cresol (HEWITT, MANN, and POPE), T., 2199.

$C_{27}H_{20}O_8N_2$ Naphtholazoquercetin dimethyl ether (WATSON and SEN), T., 393.

$C_{27}H_{22}O_5N_2$ Dinitro-derivative of anhydride $C_{27}H_{24}O$ (SEN-GUPTA), T., 409.

$C_{27}H_{32}O_2N_2$ Benzoyldeacetylaspidospermine (EWINS), T., 2745 ; P. 258.

$C_{27}H_{35}O_6I$ 3:5:7-Triethoxy-2-*m*-*p*-diethoxyphenyl-4-ethyl-1:4-benzopyran anhydrohydriodide (WATSON and SEN), T. 397.

$C_{27}H_{43}O_2N$ Solangustidine, and its salts (TUTIN and CLEWER), T., 565 ; P., 7.

C_{28} Group.

$C_{28}H_{20}O$ Anhydride of α-1:1-dihydroxydinaphthylethylbenzene (SEN-GUPTA), T., 406.

$C_{28}H_{28}O$ Anhydride of β-1:1-dihydroxydinaphthyloctane (SEN-GUPTA), T., 405.

$C_{28}H_{44}O_4$ Acetylsarsasapogenin (POWER and SALWAY), T., 216.

28 III

$C_{28}H_{18}OCl_2$ Dichloro- derivative of α-1:1-dihydroxydinaphthylethylbenzene anhydride (SEN-GUPTA), T., 406.

$C_{28}H_{18}OBr_2$ Dibromo-derivative of α-1:1-dihydroxydinaphthylethylbenzene anhydride (SEN-GUPTA), T., 406.

$C_{28}H_{18}O_5N_2$ Dinitro-derivative of α-1:1-dihydroxydinaphthylethylbenzene anhydride (SEN-GUPTA), T., 406.

$C_{28}H_{20}O_{12}N_6$ *s*-2:4:2′:4′-Tetranitro-6:6′-dicarbomethoxytetraphenylhydrazine (KENNER and CURTIS), T., 2736.

$C_{28}H_{26}OCl_2$ Dichloro-derivative of β-1:1-dihydroxydinaphthyloctane anhydride (SEN-GUPTA), T., 405.

$C_{28}H_{26}OBr_2$ Dibromo-derivative of β-1:1-dihydroxydinaphthyloctane anhydride (SEN-GUPTA), T., 405.

$C_{28}H_{26}O_5N_2$ Dinitro-derivative of β-1:1-dihydroxydinaphthyloctane anhydride (SEN-GUPTA), T., 406.

$C_{28}H_{36}O_4N_2$ Psychotrine, and its salts (CARR and PYMAN), T., 1612; P., 157.
$C_{28}H_{38}O_4N_2$ *n*- and *iso*-Cephaelines, and their salts (CARR and PYMAN), T., 1608; P., 157.
$C_{28}H_{42}O_2N_2$ *cis*-4-*d*-1-*l*-Dimethylenecamphor-2:6-dimethylpiperazine (POPE and READ), T., 244.

C_{29} Group.

$C_{29}H_{22}O_5$ Didesyl carbonate (MCCOMBIE and PARKES), T., 1689.

29 III

$C_{29}H_{24}O_2N_4$ Mesitylenebisazo-β-naphthol (MORGAN and REILLY), P., 74.
$C_{29}H_{25}O_3N_5$ 2:6-Bisazo-β-naphthol-4-trimethylammonium-1-benzoquinone (MELDOLA and HOLLELY), T., 1476.
$C_{29}H_{25}O_{14}N$ Hepta-acetyl-6′-amino quercetin (WATSON), T., 344.
$C_{29}H_{29}O_8N_3$ Phenylcarbamido-β-gnoscopine (HOPE and ROBINSON), T., 2093.
$C_{29}H_{32}O_4N_2$ Rubremetine, and its salts (CARR and PYMAN), T., 1628.
$C_{29}H_{40}O_4N_2$ Emetine, and its salts (CARR and PYMAN), T., 1600; P., 157.
N-Methylcephaeline, and its salts (CARR and PYMAN), T., 1621; P., 158.
$C_{29}H_{45}O_3N$ Acetylsolangustidine($+\frac{1}{2}H_2O$) (TUTIN and CLEWER), T., 568; P., 8.

C_{30} Group.

$C_{30}H_{21}Bi$ Tri-α-naphthylbismuthine (CHALLENGER), T., 2217; P., 229.
$C_{30}H_{22}O_6$ Substances, from benzoin and oxalyl chloride (MCCOMBIE and PARKES), T., 1690.
$C_{30}H_{28}O_{10}$ Santalin, constitution of (CAIN, SIMONSEN, and SMITH), T., 1335; P., 132.
$C_{30}H_{50}O$ Stigmasterol (POWER and SALWAY), T., 212.

30 III

$C_{30}H_{20}O_3N_2$ Benzoyl derivative of *p*-benzoylbenzeneazo-α-naphthol (HEWITT, MANN, and POPE), T., 2201.
$C_{30}H_{30}O_8N_2$ 6′-β-Naphtholazoquercetin pentamethyl ether (WATSON), T., 346.
$C_{30}H_{42}O_4N_2$ *N*-Methylemetine, and its salts (CARR and PYMAN), T., 1618; P., 157.

C_{31} Group.

$C_{31}H_{26}O_{15}$ Penta-acetyl derivative of triacetylquercetin (WATSON and SEN), T., 384.

C_{32} Group.

$C_{32}H_{32}O_2$ Anhydride, from α-naphthol and *cyclo*hexanone (SEN-GUPTA), T., 408.
$C_{32}H_{32}O_{10}$ Santalin methyl ether (CAIN, SIMONSEN, and SMITH), T., 1338.

32 III

$C_{32}H_{30}O_{12}N_2$ Nitrosantalin methyl ether (CAIN, SIMONSEN, and SMITH), T., 1339.
$C_{32}H_{31}O_4N$ Nitro-derivative from anhydride $C_{32}H_{32}O_2$ (SEN-GUPTA), T., 408.
$C_{32}H_{41}O_7N_3$ *l*-Menthylidenehydrazino-β-gnoscopine (HOPE and ROBINSON), T., 2096.

C_{33} Group.

$C_{33}H_{20}O$ Anhydride of diphenylene-1:1-dihydroxydinaphthylmethane (Sen-Gupta), T., 407.

$C_{33}H_{22}O$ Anhydride of diphenyl-1:1-dihydroxydinaphthylmethane (Sen-Gupta), T., 406.

$C_{33}H_{22}O_8$ Tetrabenzoylmethyltetritol (Gilmour), T., 79.

$C_{33}H_{32}O_{16}$ Hexa-acetylapigenin-*d*-glucoside (Power and Browning), T., 1834; P., 210.

33 III

$C_{33}H_{18}O_5N_2$ Dinitro-derivative of diphenylene-1:1-dihydroxydinaphthylmethane anhydride (Sen-Gupta), T., 407.

$C_{33}H_{20}OCl_2$ Dichloro-derivative of diphenyl-1:1-dihydroxydinaphthylmethane (Sen-Gupta), T., 407.

$C_{33}H_{20}OBr_2$ Dibromo-derivative of diphenyl-1:1-dihydroxydinaphthylmethane (Sen-Gupta), T., 407.

$C_{33}H_{38}O_8N_2$ *d*-Camphorylidenemethylamino-β-gnoscopine (Hope and Robinson), T., 2095.

$C_{33}H_{53}O_7N$ Solangustine ($+H_2O$), and its salts (Tutin and Clewer), T., 564; P., 7.

C_{34} Group.

$C_{34}H_{31}O_6N_2$ Daphnoline, and its salts (Pyman), T., 1684; P., 184.

$C_{34}H_{34}O_{14}N_2$ Nitrosantalin dimethyl ether (Cain, Simonsen, and Smith), T., 1339.

C_{35} Group.

$C_{35}H_{38}O_{17}$ Penta-acetyldibenzoylglucoxylose (Power and Salway), T., 1063.

C_{36} Group.

$C_{36}H_{26}O_6$ Didesyl phthalate (McCombie and Parkes), T., 1690.

$C_{36}H_{36}O_{14}$ Ethylcarbonatosantalin (Cain, Simonsen, and Smith), T., 1337.

36 III

$C_{36}H_{32}O_6N_2$ Micranthine, and its salts (Pyman), T., 1685; P., 184.

$C_{36}H_{38}O_6N_2$ Daphnandrine, and its salts (Pyman), T., 1682; P., 184.

$C_{36}H_{44}O_5N_2$ Benzoylemetine (Carr and Pyman), T., 1614; P., 157.

C_{38} Group.

$C_{38}H_{36}O_6$ Didesyl camphorate (McCombie and Parkes), T., 1691.

C_{42} Group.

$C_{42}H_{66}O_6$ Caulosapogenin (Tutin and Clewer), T., 1847; P., 210.

42 III

$C_{42}H_{42}O_3Si_3$ Trianhydrotrisdibenzylsilicanediol, properties and reactions of (Robison and Kipping), T., 45.

$C_{42}H_{44}O_4Si_3$ Dianhydrotrisdibenzylsilicanediol (Robison and Kipping), T., 44.

C_{44} Group.

$C_{44}H_{72}O_{20}$ Sarsasaponin (+ $7H_2O$) (POWER and SALWAY), T., 213.

C_{48} Group.

$C_{48}H_{44}O_5Si_4$ Trianhydrotetrakisdiphenylsilicanediol (KIPPING and ROBISON), T., 497.

C_{54} Group.

$C_{54}H_{86}O_{16}$ Caulosapogenin glucoside (TUTIN and CLEWER), T., 1857; P., 211.

ERRATA.

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Page	Line	
105	1	*for* "milligram" *read* "gram."
1348	4*	,, "αα-*Dimethylbutan*-γ-*one*-αδδ-*tricarboxylate*" read "β-*Methylpentan*-δ-*one*-βεε-*tricarboxylate*."
1349	8	,, "αα-*Dimethylbutan*-γ-*ol*-αγδδ-*tetracarboxylate*" read "β-*Methylpentan*-δ-*ol*-βδεε-*tetracarboxylate*."
1729	15	,, "$C_{23}H_{30}O_2N_3S$" *read* "$C_{23}H_{29}O_2N_3S$."
1729	1*	,, "$C_{17}H_{24}ON$" *read* "$C_{17}H_{24}ON_4$."
1730	14*	,, "$C_{17}H_{22}O_3NS$" *read* "$C_{17}H_{23}O_3NS$."
2067	14	,, "Fig. 1" *read* "Fig. 3."
,,	26	,, ,, ,, ,,
2070	1*	,, "Fig. 3" ,, "Fig. 1."
2126	9	,, "Velocity constant for ethylene oxide" / Velocity constant for propylene oxide. *read* "Velocity constant for propylene oxide" / Velocity constant for ethylene oxide.

* From bottom.